

# Technical Tubing and Hose

**Flexible Calibrated Tubing**

**Calibrated Multi-Tubing**

**Recoil Tubing and Hose**

**Calibrated Braided Hose**

**Accessories**



Parker Legris Tubing and Hose管类产品

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# Technical Tubing and Hose

## PA Tubing

(P. 3-10)



**Fluids:** Compressed air, industrial fluids

**Materials:**

- 2 polyamide grades (semi-rigid and rigid)
- 7 colours

**Pressure:** 58 bar

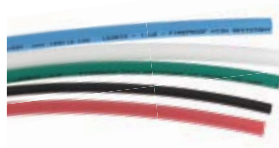
**Temperature:** -40°C to +100°C

**O.D. metric:** 3 mm to 16 mm

**O.D. inch:** on request

## Fireproof High Resistance PA Tubing

(P. 3-14)



**Fluids:** compressed air, coolants, lubricants

**Materials:**

- Polyamide with flame retardant additive
- 5 colours

**Pressure:** 50 bar

**Temperature:** -40°C to +100°C

**O.D. metric:** 4 mm to 12 mm

## Anti-Spark PA or PU Tubing, with or without PVC Sheath (P. 3-16 & 24)



**Fluids :** compressed air, coolants, industrial fluids

**Materials :**

- Semi-rigid polyamide with PVC sheath
- Polyurethane ether with PVC sheath
- Single layer polyurethane ether
- 4 colours

**Pressure:** 36 bar max.

**Temperature:** -20°C to +80°C

**O.D. metric:** 4 mm to 12 mm

## PU Tubing

(P. 3-18)



**Fluids:** compressed air and food industry fluids ("crystal")

**Materials:**

- Polyurethane ester or ether
- Polyurethane food-grade "crystal"
- 7 colours

**Pressure:** 12 bar

**Temperature:** -20°C to +70°C

**O.D. metric:** 3 mm to 16 mm

**O.D. inch:** on request

## Antistatic PU Tubing

(P. 3-22)



**Fluids:** compressed air

**Materials:**

- Polyurethane with conductive particles
- Black ( $10^2 \Omega.m$ )

**Pressure:** 10 bar

**Temperature:** -20°C to +70°C

**O.D. metric:** 3 mm to 12 mm

## PE Tubing

(P. 3-26)



**Fluids:** many fluids

**Materials:**

- Low density polyethylene
- 50% reticulated polyethylene, food-grade
- 7 colours

**Pressure:** 20 bar

**Temperature:** -40°C to +95°C

**O.D. metric:** 4 mm to 14 mm

**O.D. inch:** 1/8" to 1/2"

## FEP Tubing

(P. 3-28)



**Fluids:** many fluids

**Materials:**

- Fluoropolymer: fluorinated ethylene propylene, food-grade
- Transparent

**Pressure:** 28 bar

**Temperature:** -40°C to +150°C

**O.D. metric:** 4 mm to 12 mm

## PFA Tubing

(P. 3-30)



**Fluids:** many fluids

**Materials:**

- 3 grades of perfluoroalkoxy
- High purity food-grade, clear
- Standard food-grade, 3 "crystal" colours
- Antistatic ( $0.2 \Omega.m$ ), black

**Pressure:** 36 bar

**Temperature:** -196°C to +260°C

**O.D. metric:** 4 mm to 12 mm

## PA Multi-Tubing

(P. 3-32)



**Fluids:** compressed air, industrial fluids

**Materials:**

- Semi-rigid polyamide with PVC sheath
- 6 colours

**Pressure:** 24 bar

**Temperature:** -40°C to +80°C

**O.D. metric:** 4 mm to 8 mm

# Technical Tubing and Hose

## Twin PU Tubing

(P. 3-32)



**Fluids:** compressed air

**Materials:**

- Polyurethane ester
- 1 to 2 colours

**Pressure:** 14 bar

**Temperature:** -20°C to +70°C

**O.D. metric:** 4 mm to 8 mm

## Recoil PA Tubing

(P. 3-34)



**Fluids:** compressed air, industrial fluids

**Materials:**

- Semi-rigid polyamide
- 2 colours
- Recoil tubing with fittings

**Pressure:** 20 bar

**Temperature:** -20°C to +80°C

**O.D. metric:** 6 mm and 8 mm

## Recoil PU Tubing

(P. 3-36)



**Fluids:** compressed air

**Materials:**

- Polyurethane ester or ether
- 3 colours
- With or without fittings

**Pressure:** 10 bar

**Temperature:** -20°C to +70°C

**O.D. metric:** 4 mm to 12 mm

**I.D. inch:** 3/8" and 19/32"

## Braided PU Recoil Hose

(P. 3-40)



**Fluids:** compressed air, industrial fluids

**Materials:**

- Translucent blue polyurethane, reinforced with a polyester braid
- Assembled with threaded fittings

**Pressure:** 15 bar

**Temperature:** -40°C to +75°C

**I.D. inch:** 1/4" and 5/16"

## Braided PVC Hose

(P. 3-42)



**Fluids:** compressed air, non-corrosive or alimentary fluids (translucent PVC)

**Materials:**

- Polyvinyl chloride with braided polyester
- Translucent (food-grade) or blue (industrial)

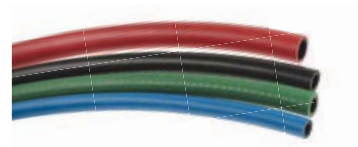
**Pressure:** 15 bar

**Temperature:** -25°C to +70°C

**I.D. metric:** 4 mm to 19 mm

## Self-Fastening NBR Hose

(P. 3-44)



**Fluids:** compressed air, coolants

**Materials:**

- Nitrile butadiene rubber reinforced with a polyamide braid
- 4 colours

**Pressure:** 16 bar

**Temperature:** -20°C to +100°C

**I.D. inch:** 1/4" to 3/4"

# Technical Tubing and Hose Range

## Flexible Calibrated Tubing

### Polyamide Tubing

#### Semi-Rigid PA



**1025P**  
**1100P**  
**2005P**  
**2010P**  
Page 3-11

#### Rigid PA



**1025L**  
Page 3-12

#### Fireproof PA



**1025P..R**  
**1100P..R**  
**2005P..R**  
**2010P..R**  
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#### Anti-Spark PA with PVC Sheath



**1025P..V**  
**1100P..V**  
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### Polyurethane Tubing

#### PU Ester



**1025U**  
**1100U**  
**2003U**  
**2005U**  
**2010U**  
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#### PU Ether PU Ether Food-Grade "Crystal"



**1025U..R**  
**1100U..R**  
**2003U..R**  
**2005U..R**  
**2010U..R**  
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#### Antistatic PU



**1025U..A**  
**1100U..A**  
Page 3-23

#### PU Ether, Anti-Spark, Single Layer PU Ether, Anti-Spark with PVC Sheath



**1025U..V**  
**1100U..V**  
Page 3-25  
**1025U..K**  
**1100U..K**  
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### Polyethylene Tubing

#### Advanced PE



**1015Y..F**  
**1030Y..F**  
**1075Y..F**  
**1096Y..F**  
**1098Y..F**  
**1099Y..F**  
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#### Low Density PE



**1025Y**  
**1100Y**  
Page 3-27

### Fluoropolymer Tubing

#### FEP



**1005T**  
**1025T**  
Page 3-29

#### PFA



**1010T..P**  
**1050T..P**  
**1100T..P**  
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#### Antistatic PFA



**1010T..A**  
**1050T..A**  
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## Calibrated Multi-Tubing

### Polyamide Tubing with PVC Sheath

#### Semi-Rigid PA



**1010P..M**  
**1050P..M**  
Page 3-33

### Twin Polyurethane Tubing

#### Twin PU Ester



**1420U**  
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# Technical Tubing and Hose Range

## Calibrated Recoil Tubing

### Semi-Rigid PA

Assembled with Fittings



**1470P**  
**1471P**  
**1472P**

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### PU Ester and Ether Tubing

Assembled with Fittings,  
Metallic Spring Guard



**1470U**  
**1471U**  
**1472U**

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Assembled with Fittings,  
Plastic Spring Guard



**1445U..R**  
**1441U..R**  
**1442U..R**  
**1447U..R**

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Coiled without Fittings



**1460U**  
**1461U**  
**1462U**

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### Braided PU Hose

Assembled with Fittings,  
Plastic Spring Guard



**1445U..E**  
**1442U..E**  
**1447U..E**

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## Calibrated Braided Hose

Clear Food-Grade PVC



**1025V**  
**1050V**

Page 3-43

Blue PVC



**1025V..C**  
**1050V..C**

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Self-Fastening NBR



**1040H**  
**1080H**  
**1100H**

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## Accessories

**0694**

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**0695**

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**3000 71 11**

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**3000 71**

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**6000 71**

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**0127**

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**1827**

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**Clip**

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**0697**

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# Packaging for Technical Tubing and Hose

## Tubepack®

- 5 m, 10 m, 25 m and 100 m lengths
- For polyamide, polyurethane, fluoropolymer, polyethylene and anti-spark tubing
- Optimisation of tubing storage
- Immediate identification of the type of tubing
- Integrated winder for easy handling



## Drums

- Up to 1000 m long
- For polyamide, polyurethane, fluoropolymer tubing, etc.
- Immediate identification of the tubing for easy handling
- Adapted to workshop reels



## Reels

- Up to 100 m
- Supplied with protective plastic film
- For braided tubing, special tubing (e.g. multi-tubing)



## Plastic Bags

- Ideal for merchandising
- Promotional tools
- Recoil tubing or tubing cut to the required length



## Tube Marking (except for Fluoropolymer, PFA and FEP)

- Length indicated every metre:
  - time saved when cutting to exact length
  - remaining quantity is immediately identifiable (PA and PU)
- Custom marking upon request (marking, fluid identification, customer part number...)
- Traceability with marking of manufacturing batch

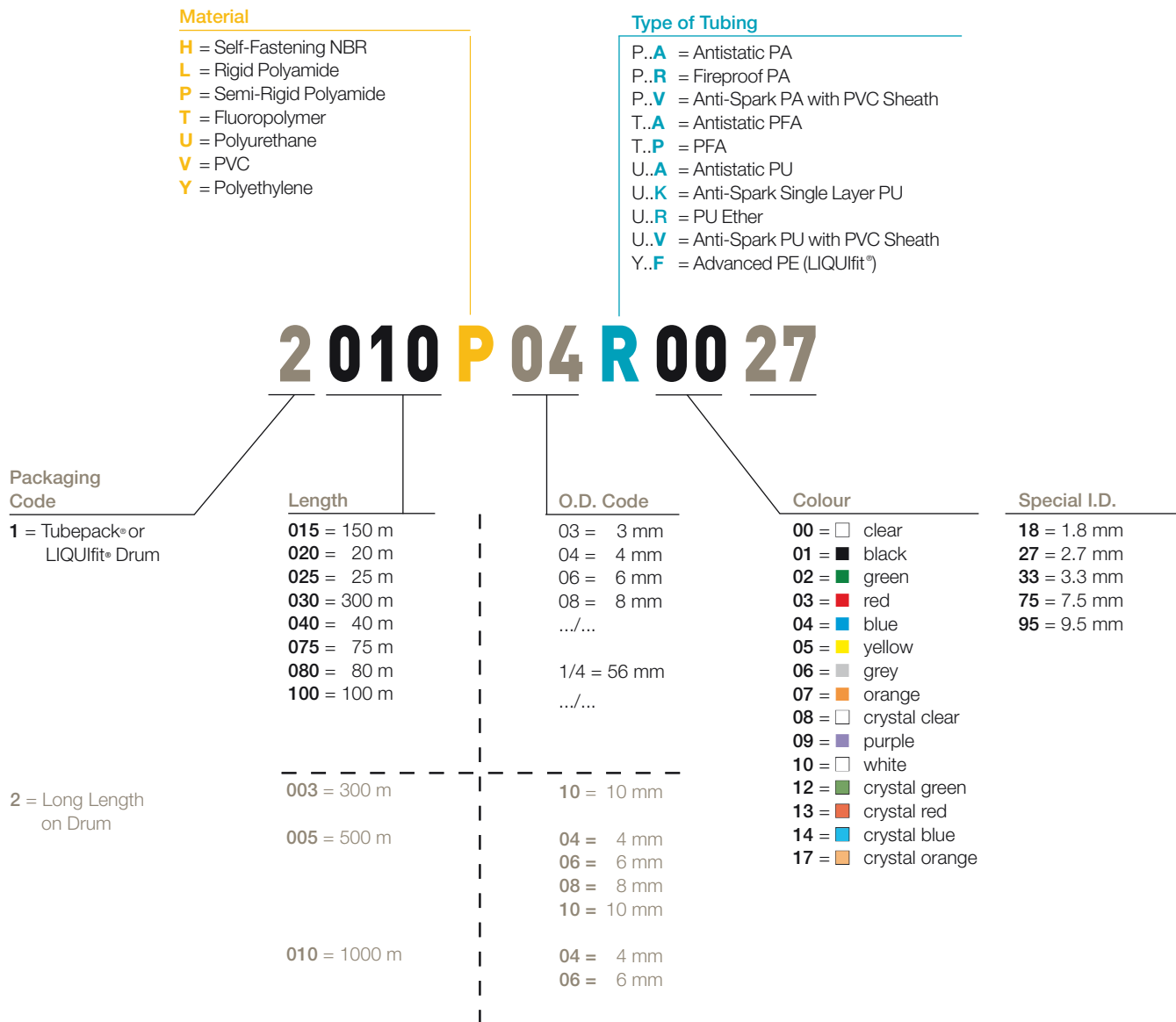


## Tube Cutting to the Required Length

- Upon request, cutting of your tube to the required length, from 5 cm to 3 m
- Precision +/- 3 mm
- Ideal for optimising your installation costs

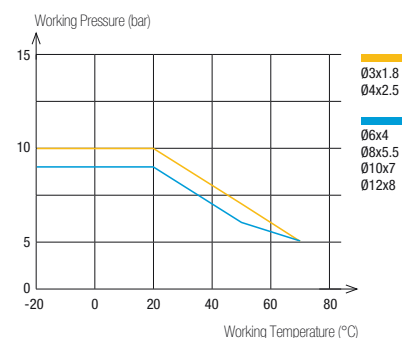


# Product Codes of Parker Legris Tubing and Hose



## How to Read the Graphs

- In the graphs in this chapter, each curve represents the acceptable maximum pressure at a given temperature, by diameter.
- Technical characteristics of Parker Legris tubing depend on the type of connection used.
- The vacuum capability of all tubing is 755 mm Hg (99% vacuum).





# PA Tubing

**Tried-and-tested** for industrial or vehicle applications, PA tubing guarantees **excellent durability** due to its stable long-term mechanical properties.

Parker Legris' special grade of semi-rigid polyamide is manufactured according to our **Eco-Design** approach for higher performance.

## Product Advantages

### Tried-&-Tested Material

- Good chemical and humidity resistance
- Excellent material stability (mechanical and chemical)
- Continuous calibration during production for excellent reliability
- Two material grades: rigid and semi-rigid
- Bio-based semi-rigid material

### Versatility & Performance

- Wide range of working pressure and temperature
- Good vibration absorption
- Abrasion-resistant
- Remaining length marking
- Large choice of colours to facilitate circuit identification
- Silicone-free



**Applications**

- Packaging
- Tooling
- Compressed Air
- Motion Technologies
- Robotics
- Industrial Machinery

## Technical Characteristics

| Tubing              | Semi-Rigid PA                    | Rigid PA                                 |
|---------------------|----------------------------------|------------------------------------------|
| Compatible Fluids   | Compressed air, other fluids     | Compressed air, lubricants, other fluids |
| Working Pressure    | Vacuum to 50 bar                 | Vacuum to 60 bar                         |
| Working Temperature | -40°C to +100°C                  | -40°C to +80°C                           |
| Component Materials | Bio-based polyamide (68 shore D) | Polyamide (65 shore D)                   |

### Regulations

#### Industrial

DI: 2002/95/EC (RoHS), 2011/65/EC

DI: 97/23/EC (PED)

RG: 1907/2006 (REACH)

#### Transportation

Chemical performance and resistance tested according to DIN 74324 -1 / DIN 73378 / ISO 7628

### Packaging

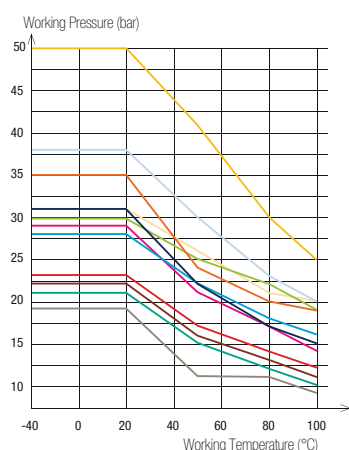
Tube pack: 25 m, 100 m

Drum: 500 m, 1 000 m

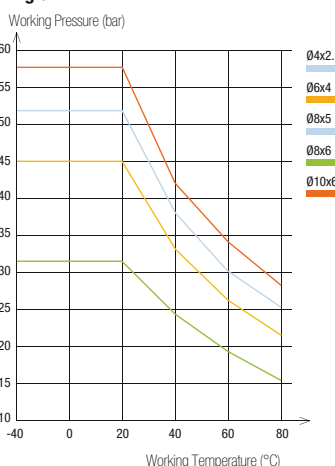
Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Performance of PA Tubing

#### Semi-Rigid



#### Rigid



| Tube O.D.  | Tube O.D. Tolerance |
|------------|---------------------|
| 3 to 5 mm  | +0.05 / -0.08       |
| 6 to 16 mm | +0.05 / -0.10       |

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing in accordance with NF E49-100.

## 1025P Semi-Rigid Polyamide (PA) Tubing

TubePack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 3            | 1.8          | 6                                                                                 | 1025P03 00 18                                                                           |                                                                                   |                                                                                   |                                                                                   | 1025P03 04 18                                                                      |                                                                                     |                                                                                     | 0.020 |
| 4            | 2            | 10                                                                                | 1025P04 00                                                                              | 1025P04 01                                                                        | 1025P04 02                                                                        | 1025P04 03                                                                        | 1025P04 04                                                                         | 1025P04 05                                                                          | 1025P04 06                                                                          | 0.318 |
| 4            | 2.7          | 10                                                                                | 1025P04 00 27                                                                           | 1025P04 01 27                                                                     | 1025P04 02 27                                                                     | 1025P04 03 27                                                                     | 1025P04 04 27                                                                      | 1025P04 05 27                                                                       | 1025P04 06 27                                                                       | 0.254 |
| 5            | 3.3          | 15                                                                                | 1025P05 00 33                                                                           | 1025P05 01 33                                                                     |                                                                                   |                                                                                   | 1025P05 04 33                                                                      |                                                                                     |                                                                                     | 0.420 |
| 6            | 4            | 15                                                                                | 1025P06 00                                                                              | 1025P06 01                                                                        | 1025P06 02                                                                        | 1025P06 03                                                                        | 1025P06 04                                                                         | 1025P06 05                                                                          | 1025P06 06                                                                          | 0.535 |
| 8            | 6            | 25                                                                                | 1025P08 00                                                                              | 1025P08 01                                                                        | 1025P08 02                                                                        | 1025P08 03                                                                        | 1025P08 04                                                                         | 1025P08 05                                                                          | 1025P08 06                                                                          | 0.748 |
| 10           | 7.5          | 42                                                                                | 1025P10 00 75                                                                           | 1025P10 01 75                                                                     |                                                                                   |                                                                                   | 1025P10 04 75                                                                      |                                                                                     |                                                                                     | 1.135 |
| 10           | 8            | 50                                                                                | 1025P10 00                                                                              | 1025P10 01                                                                        | 1025P10 02                                                                        | 1025P10 03                                                                        | 1025P10 04                                                                         | 1025P10 05                                                                          | 1025P10 06                                                                          | 0.989 |
| 12           | 9            | 47                                                                                | 1025P12 00 09                                                                           | 1025P12 01 09                                                                     |                                                                                   |                                                                                   | 1025P12 04 09                                                                      |                                                                                     |                                                                                     | 1.769 |
| 12           | 10           | 90                                                                                | 1025P12 00                                                                              | 1025P12 01                                                                        |                                                                                   |                                                                                   | 1025P12 04                                                                         |                                                                                     |                                                                                     | 1.345 |
| 14           | 11           | 80                                                                                | 1025P14 00 11                                                                           | 1025P14 01 11                                                                     |                                                                                   |                                                                                   | 1025P14 04 11                                                                      |                                                                                     |                                                                                     | 2.226 |
| 14           | 12           | 116                                                                               | 1025P14 00                                                                              | 1025P14 01                                                                        |                                                                                   |                                                                                   | 1025P14 04                                                                         |                                                                                     |                                                                                     | 1.734 |
| 16           | 13           | 90                                                                                | 1025P16 00 13                                                                           | 1025P16 01 13                                                                     | 1025P16 02 13                                                                     | 1025P16 03 13                                                                     | 1025P16 04 13                                                                      |                                                                                     |                                                                                     | 2.500 |

Inch version tubing available upon request

## 1100P Semi-Rigid Polyamide (PA) Tubing

TubePack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 4            | 2            | 10                                                                                | 1100P04 00                                                                              | 1100P04 01                                                                        | 1100P04 02                                                                        | 1100P04 03                                                                        | 1100P04 04                                                                         | 1100P04 05                                                                          | 1100P04 06                                                                          | 1.152 |
| 4            | 2.7          | 10                                                                                | 1100P04 00 27                                                                           | 1100P04 01 27                                                                     | 1100P04 02 27                                                                     | 1100P04 03 27                                                                     | 1100P04 04 27                                                                      | 1100P04 05 27                                                                       | 1100P04 06 27                                                                       | 0.893 |
| 5            | 3.3          | 15                                                                                | 1100P05 00 33                                                                           | 1100P05 01 33                                                                     |                                                                                   |                                                                                   | 1100P05 04 33                                                                      |                                                                                     |                                                                                     | 1.274 |
| 6            | 4            | 15                                                                                | 1100P06 00                                                                              | 1100P06 01                                                                        | 1100P06 02                                                                        | 1100P06 03                                                                        | 1100P06 04                                                                         | 1100P06 05                                                                          | 1100P06 06                                                                          | 1.799 |
| 8            | 6            | 25                                                                                | 1100P08 00                                                                              | 1100P08 01                                                                        | 1100P08 02                                                                        | 1100P08 03                                                                        | 1100P08 04                                                                         | 1100P08 05                                                                          | 1100P08 06                                                                          | 2.898 |
| 10           | 7.5          | 42                                                                                | 1100P10 00 75                                                                           | 1100P10 01 75                                                                     |                                                                                   |                                                                                   | 1100P10 04 75                                                                      |                                                                                     |                                                                                     | 4.400 |
| 10           | 8            | 50                                                                                | 1100P10 00                                                                              | 1100P10 01                                                                        | 1100P10 02                                                                        | 1100P10 03                                                                        | 1100P10 04                                                                         | 1100P10 05                                                                          |                                                                                     | 3.667 |
| 12           | 9            | 47                                                                                | 1100P12 00 09                                                                           | 1100P12 01 09                                                                     |                                                                                   |                                                                                   | 1100P12 04 09                                                                      |                                                                                     |                                                                                     | 5.600 |
| 12           | 10           | 90                                                                                | 1100P12 00                                                                              | 1100P12 01                                                                        |                                                                                   |                                                                                   | 1100P12 04                                                                         |                                                                                     | 1100P12 06                                                                          | 5.052 |
| 14           | 11           | 80                                                                                | 1100P14 00 11                                                                           | 1100P14 01 11                                                                     |                                                                                   |                                                                                   | 1100P14 04 11                                                                      |                                                                                     |                                                                                     | 5.200 |
| 14           | 12           | 116                                                                               | 1100P14 00                                                                              | 1100P14 01                                                                        |                                                                                   |                                                                                   | 1100P14 04                                                                         |                                                                                     |                                                                                     | 4.800 |
| 16           | 13           | 90                                                                                | 1100P16 00 13                                                                           | 1100P16 01 13                                                                     | 1100P16 02 13                                                                     | 1100P16 03 13                                                                     | 1100P16 04 13                                                                      |                                                                                     |                                                                                     | 7.800 |

Inch version tubing available upon request

## 2005P Semi-Rigid Polyamide (PA) Tubing

Drum 500 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 8            | 6            | 25                                                                                  | 2005P08 00                                                                                | 2005P08 01                                                                          | 2005P08 02                                                                          | 2005P08 03                                                                          | 2005P08 04                                                                           | 2005P08 05                                                                            | 2005P08 06                                                                            | 12.100 |
| 10           | 8            | 50                                                                                  | 2005P10 00                                                                                | 2005P10 01                                                                          | 2005P10 02                                                                          | 2005P10 03                                                                          | 2005P10 04                                                                           | 2005P10 05                                                                            |                                                                                       | 15.600 |

## 2010P Semi-Rigid Polyamide (PA) Tubing

Drum 1000 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 4            | 2.7          | 10                                                                                  | 2010P04 00 27                                                                             | 2010P04 01 27                                                                       | 2010P04 02 27                                                                       | 2010P04 03 27                                                                       | 2010P04 04 27                                                                        | 2010P04 05 27                                                                         | 2010P04 06 27                                                                         | 7.630  |
| 6            | 4            | 15                                                                                  | 2010P06 00                                                                                | 2010P06 01                                                                          | 2010P06 02                                                                          | 2010P06 03                                                                          | 2010P06 04                                                                           | 2010P06 05                                                                            | 2010P06 06                                                                            | 16.600 |

### Tube Cutting to the Required Length

- Cutting of your tubing upon request, from 5 cm to 3 m
- Precision +/- 3 mm
- Ideal for optimising your installation costs



# PA Tubing

## 1025L Rigid Polyamide (PA) Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  R |  | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 35                                                                                  | 1025L04 01 25                                                                     | 0.190 |
| 6            | 4            | 45                                                                                  | 1025L06 01                                                                        | 0.400 |
| 8            | 5            | 70                                                                                  | 1025L08 01 05                                                                     | 0.760 |
| 8            | 6            | 65                                                                                  | 1025L08 01                                                                        | 0.760 |
| 10           | 6            | 85                                                                                  | 1025L10 01 06                                                                     | 1.330 |

PA tubing can be connected to various fittings shown throughout this catalogue.

### Tubing

#### Semi-Rigid PA



#### Rigid PA



### Push-In Fittings

#### LF 3000\* P. 1-4



#### LF 3600 P. 1-65



#### LF 3800/LF 3900 P. 1-77



#### LF 6100 P. 1-89



### Compression Fittings

#### Brass P. 5-5

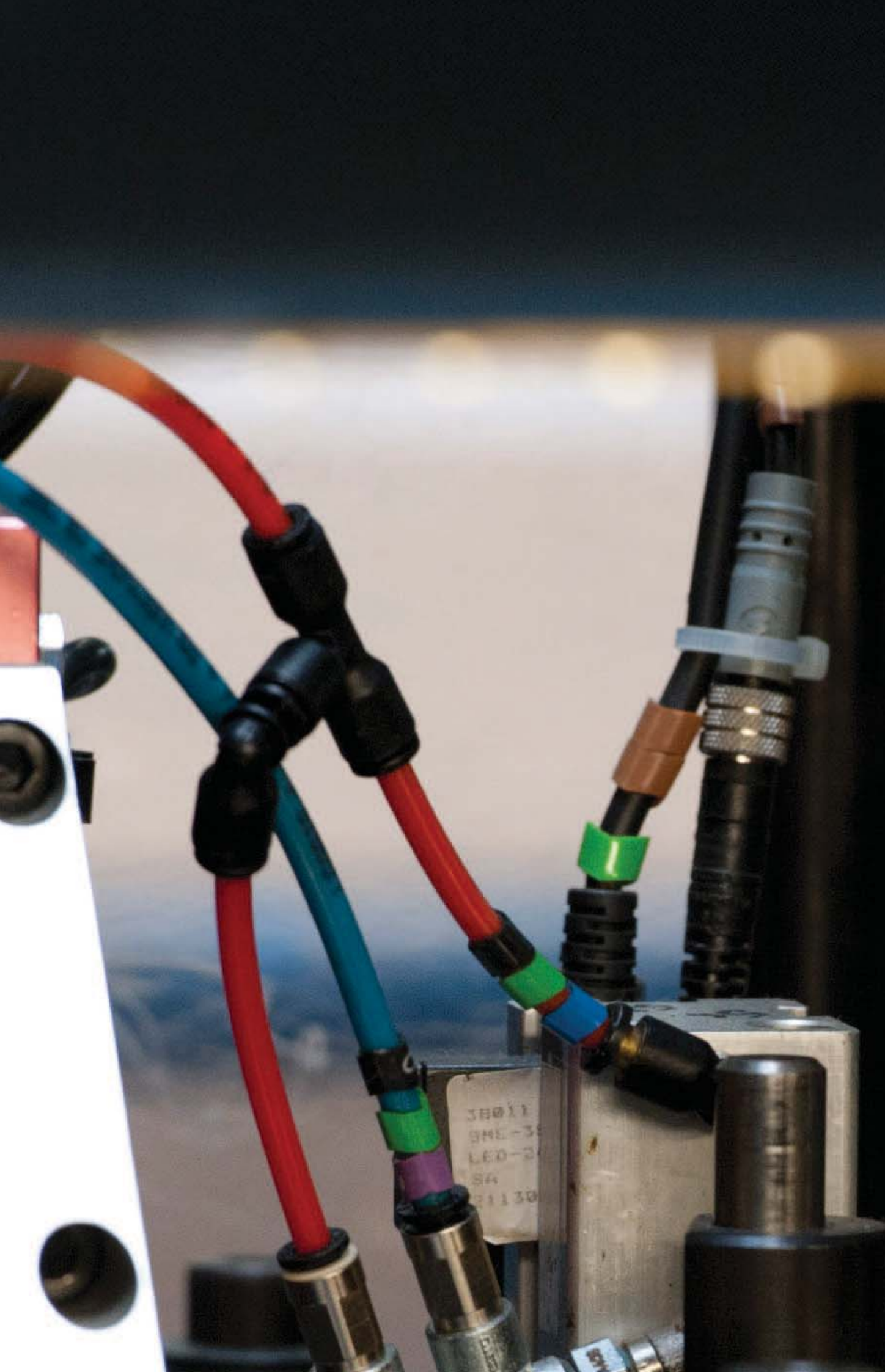


#### Stainless Steel P. 5-31



#### Ferrules P. 5-5





# Fireproof High Resistance PA Tubing

This **single layer fireproof** tubing not only combines excellent resistance to pressure, temperature and flame, but also guarantees **non-toxic smoke** resulting from burn-off. This tubing eliminates the need for a stripping tool, thus preventing the risk of tube damage prior to connection.

## Product Advantages

### Safety for On-Board Railway Equipment

Designed for on-board equipment  
Excellent flame-resistance: self-extinguishing  
Very little smoke generation  
Non-toxic combustion gases  
UV-resistant  
Extremely resistant to high pressure and temperature

### Innovative Single-Layer Solution

Developed for demanding industrial applications  
Excellent spark resistance  
Economical alternative to PA tubing with PVC sheath  
Combines technical advantages of rigid and semi-rigid PA tubing  
5 colours available  
Flow direction marking  
Silicone-free



**Applications**  
Railway  
Air Horns  
Industrial Machinery  
Pneumatic Doors  
Step-Units  
Centralised Lubrication  
Welding

## Technical Characteristics

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| <b>Compatible Fluids</b>   | Compressed air, lubricants<br>Other fluids: please consult us |
| <b>Working Pressure</b>    | Vacuum to 50 bar                                              |
| <b>Working Temperature</b> | -40°C to +100°C                                               |
| <b>Component Materials</b> | Polyamide (63 shore D)                                        |

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Regulations

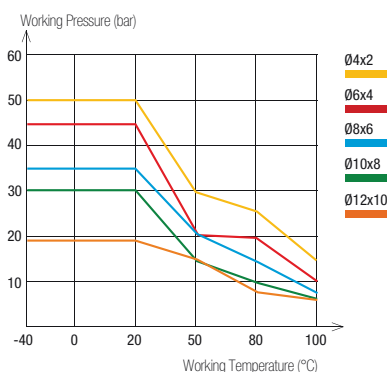
#### Railway

Pr EN 45545-2: HL3, R22, R24, R25  
NF F16101: I3 F2,  
DIN 5510-2: S4, SR2, ST2  
ISO 4892

#### Industrial

DI: 97/23/EC (PED)  
DI: 2002/95/EC (RoHS), 2011/65/EC  
RG: 1907/2006/EC (REACH)  
UL94 V-0 (Fire resistance)

### Performance of Fireproof High Resistance PA Tubing



| Tube O.D.  | Tube O.D. Tolerance |
|------------|---------------------|
| 4 mm       | +0.05 / -0.08       |
| 6 to 12 mm | +0.05 / -0.10       |

Connected to Parker Legris push-in fittings, the calibration of PA tubing ensures perfect sealing based on NF E49-100.

### Packaging

Tube pack: 25 m, 100 m  
Drum: 500 m, 1000 m

To calculate burst pressure, the values in this graph should be multiplied by 3.

## 1025P..R Fireproof High Resistant Polyamide (PA)

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 4            | 2            | 17                                                                                | 1025P04R00                                                                              | 1025P04R01                                                                        | 1025P04R02                                                                        | 1025P04R03                                                                         | 1025P04R04                                                                          | 0.367 |
| 6            | 4            | 29                                                                                | 1025P06R00                                                                              | 1025P06R01                                                                        | 1025P06R02                                                                        | 1025P06R03                                                                         | 1025P06R04                                                                          | 0.554 |
| 8            | 6            | 40                                                                                | 1025P08R00                                                                              | 1025P08R01                                                                        | 1025P08R02                                                                        | 1025P08R03                                                                         | 1025P08R04                                                                          | 0.554 |
| 10           | 8            | 77                                                                                | 1025P10R00                                                                              | 1025P10R01                                                                        | 1025P10R02                                                                        | 1025P10R03                                                                         | 1025P10R04                                                                          | 0.721 |
| 12           | 9            | 92                                                                                | 1025P12R00                                                                              | 1025P12R01                                                                        | 1025P12R02                                                                        |                                                                                    | 1025P12R04                                                                          | 1.345 |

## 1100P..R Fireproof High Resistant Polyamide (PA)

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 4            | 2            | 17                                                                                | 1100P04R00                                                                              | 1100P04R01                                                                        | 1100P04R02                                                                        | 1100P04R03                                                                         | 1100P04R04                                                                          | 1.308 |
| 6            | 4            | 29                                                                                | 1100P06R00                                                                              | 1100P06R01                                                                        | 1100P06R02                                                                        | 1100P06R03                                                                         | 1100P06R04                                                                          | 1.308 |
| 8            | 6            | 40                                                                                | 1100P08R00                                                                              | 1100P08R01                                                                        | 1100P08R02                                                                        | 1100P08R03                                                                         | 1100P08R04                                                                          | 2.122 |
| 10           | 8            | 77                                                                                | 1100P10R00                                                                              | 1100P10R01                                                                        | 1100P10R02                                                                        | 1100P10R03                                                                         | 1100P10R04                                                                          | 2.725 |
| 12           | 9            | 92                                                                                | 1100P12R00                                                                              | 1100P12R01                                                                        |                                                                                   |                                                                                    | 1100P12R04                                                                          | 5.052 |

## 2005P..R Fireproof High Resistant Polyamide (PA)

Drum 500 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  | kg     |
|--------------|--------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------|
| 8            | 6            | 40                                                                                 | 2005P08R00                                                                               | 2005P08R01                                                                         | 2005P08R02                                                                         | 2005P08R03                                                                          | 2005P08R04                                                                           | 17.500 |
| 10           | 8            | 77                                                                                 | 2005P10R00                                                                               | 2005P10R01                                                                         | 2005P10R02                                                                         | 2005P10R03                                                                          | 2005P10R04                                                                           | 22.800 |

## 2010P..R Fireproof High Resistant Polyamide (PA)

Drum 1000 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 4            | 2            | 17                                                                                  | 2010P04R00                                                                                | 2010P04R01                                                                          | 2010P04R02                                                                          | 2010P04R03                                                                           | 2010P04R04                                                                            | 14.300 |
| 6            | 4            | 29                                                                                  | 2010P06R00                                                                                | 2010P06R01                                                                          | 2010P06R02                                                                          | 2010P06R03                                                                           | 2010P06R04                                                                            | 23.000 |

### Related Products

Fireproof high resistance tubing can be connected to various fittings presented in this catalogue in Chapter 1.

#### Push-In Fittings

LF 3000\* LF 3600 LF 3800/LF 3900 LF 6100  
P. 1-4 P. 1-65 P. 1-77 P. 1-89



#### Compression Fittings

Brass Brass Tube Support  
P. 5-5 P. 5-5





# Anti-Spark PA Tubing with PVC Sheath

A range of **flame and spark-resistant** PA tubing with superior resistance to impact and abrasion, improving equipment **durability**, particularly in areas subject to weld spatter.

## Product Advantages

**Spark Resistance** | Flame-retardant PVC jacket protects inner tubing  
Non-adhesive jacket facilitates sheath removal  
Excellent pressure resistance at high temperature

**Robustness & Durability** | Highly kink and crush-resistant  
Excellent compatibility with coolants  
Flow direction marking  
Silicone-free



Industrial Machinery  
Welding Robots  
Cooling  
Aggressive Environments

Applications

## Technical Characteristics

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| Compatible Fluids   | Hot and cold water, refrigerated fluids, compressed air |
| Working Pressure    | 0 to 36 bar                                             |
| Working Temperature | -20°C to +80°C                                          |
| Component Materials | Polyamide & PVC Sheath                                  |

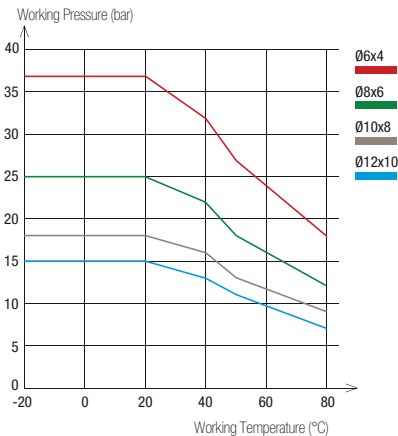
### Regulations

**Industrial**  
DI: 2002/95/EC (RoHS), 2011/65/EC  
DI: 97/23/EC (PED)  
RG: 1907/2006 (REACH)  
UL94 V-0 (Fire resistance)

**Packaging**  
Tubepack®: 25 m, 100 m

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

### Performance of Anti-Spark PA Tubing with PVC Sheath



| O.D.                    | Tube O.D. Tolerance | PVC Sheath Thickness |
|-------------------------|---------------------|----------------------|
| PVC Sheath 8 to 14 mm   | +0.10 / -0.10       | 1 mm                 |
| Inner Tubing 6 to 12 mm | +0.05 / -0.10       |                      |

Connected to Parker Legris push-in fittings, the calibration of PA tubing ensures perfect sealing based on NF E49-100 (semi-rigid PA inner tubing).

| Tube O.D. | Sheath Removal Length for LF 3600 Push-In Fittings (mm) |
|-----------|---------------------------------------------------------|
| 4 mm      | 15± 1                                                   |
| 6 mm      | 18± 1                                                   |
| 8 mm      | 19± 1                                                   |
| 10 mm     | 24± 1                                                   |
| 12 mm     | 25± 1                                                   |

For other fitting ranges, please consult us.

To calculate burst pressure, the values in this graph should be multiplied by 3.



## 1025P..V Anti-Spark Polyamide (PA) Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 6            | 4            | 25                                                                                | 1025P06V01                                                                        | 1025P06V02                                                                        | 1025P06V03                                                                         | 1025P06V04                                                                          | 1.238 |
| 8            | 6            | 30                                                                                | 1025P08V01                                                                        | 1025P08V02                                                                        | 1025P08V03                                                                         | 1025P08V04                                                                          | 1.693 |
| 10           | 8            | 55                                                                                | 1025P10V01                                                                        | 1025P10V02                                                                        | 1025P10V03                                                                         | 1025P10V04                                                                          | 2.029 |
| 12           | 10           | 70                                                                                | 1025P12V01                                                                        | 1025P12V02                                                                        | 1025P12V03                                                                         | 1025P12V04                                                                          | 2.970 |

## 1100P..V Anti-Spark Polyamide (PA) Tubing

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 6            | 4            | 25                                                                                | 1100P06V01                                                                        | 1100P06V02                                                                        | 1100P06V03                                                                         | 1100P06V04                                                                          | 2.338 |
| 8            | 6            | 30                                                                                | 1100P08V01                                                                        | 1100P08V02                                                                        | 1100P08V03                                                                         | 1100P08V04                                                                          | 3.767 |
| 10           | 8            | 55                                                                                | 1100P10V01                                                                        | 1100P10V02                                                                        | 1100P10V03                                                                         | 1100P10V04                                                                          | 4.767 |
| 12           | 10           | 70                                                                                | 1100P12V01                                                                        | 1100P12V02                                                                        | 1100P12V03                                                                         | 1100P12V04                                                                          | 6.567 |

## 6000 71 00 Stripping Tool for Anti-Spark Tubing

|                                                                                    |                                    |                                                                                   |       |
|------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|-------|
|  | Technical polymer, stainless steel |  | kg    |
|                                                                                    |                                    | 6000 71 00                                                                        | 0.098 |

### Working Principle

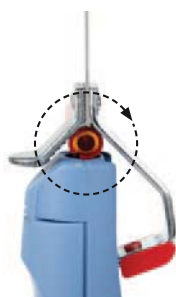
Stripping Tool 6000 71 00



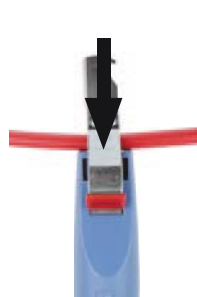
1. Place tube in stripping tool to adjust the blade height to the tube thickness.



2. Blade height is adjusted using the wheel at the bottom of the handle.



3. Once adjustments have been made, perform a 360° rotation around the tube with the tool.



4. Push down firmly on the metal part of the tool in order to hold tube properly.



5. Move the tool to the end of the tube to create an axial opening of the sheath.



6. The tube is correctly stripped.

# PU Tubing

Polyurethane's **3 specific materials** - ether, ester and food-grade "crystal" - offer excellent flexibility and outstanding use in a wide range of applications, allowing for up to **50% space reduction** when compared to semi-rigid PA tubing.

## Product Advantages

### Excellent Mechanical Properties

- Consistent tensile strength for optimum longevity
- Optimal bend radius
- Good vibration absorption
- Unsurpassed abrasion resistance for a single layer tubing
- UV-resistant
- Superior vacuum capability due to surface hardness
- Remaining length marking
- Silicone-free

### 3 Material Grades

- PU ester: perfect for pneumatic applications
- PU ether: no water absorption ; superior chemical resistance to PU ester
- PU ether food-grade "crystal":
  - identification of fluids and circuits
  - chemical resistance superior to PU ether
  - improved longevity



**Applications**

- Food Process
- Robotics
- Cabling
- Pneumatics
- Automation
- In-Plant Automotive
- Rapid Cycles

## Technical Characteristics

|                            |                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------|
| <b>Compatible Fluids</b>   | Compressed air, industrial fluids (depending on the material type)                  |
| <b>Working Pressure</b>    | Vacuum to 12 bar                                                                    |
| <b>Working Temperature</b> | -20°C to +70°C                                                                      |
| <b>Component Materials</b> | Polyurethane ester<br>Polyurethane ether<br>Polyurethane ether food-grade "crystal" |

### Regulations

#### Industrial

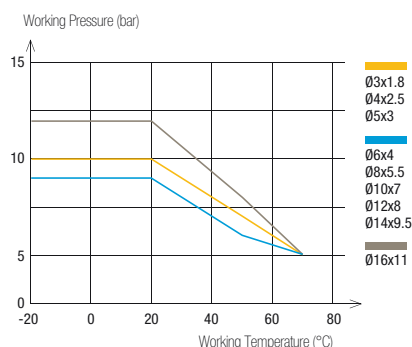
DI: 2002/95/EC (RoHS), 2011/65/EC  
DI: 97/23/EC (PED)  
RG: 1907/2006 (REACH)

#### Food (PU ether food-grade "crystal")

FDA: 21 CFR 177.2600, 178.3297, 176.170, 178.2010  
RG: 1935/2004 EC

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Performance of PU Tubing



| Tube O.D.   | Tube O.D. Tolerance |
|-------------|---------------------|
| 3 to 8 mm   | +0.10 / -0.10       |
| 10 to 16 mm | +0.15 / -0.15       |

Connected to Parker Legris push-in fittings, the calibration of PU tubing ensures perfect sealing based on NF E49-101.

### Packaging

Tube pack\*: 25 m, 100 m  
Drum: 300 m, 500 m, 1000 m

To calculate burst pressure, the values in this graph should be multiplied by 3.

## 1025U Polyurethane (PU) Ester Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 3            | 1.8          | 8                                                                                 | 1025U03 01 18                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | 0.020 |
| 4            | 2.5          | 10                                                                                | 1025U04 01                                                                        | 1025U04 02                                                                        | 1025U04 03                                                                        | 1025U04 04                                                                        | 1025U04 05                                                                          | 1025U04 06                                                                          | 0.310 |
| 5            | 3            | 13                                                                                | 1025U05 01                                                                        |                                                                                   |                                                                                   | 1025U05 04                                                                        |                                                                                     |                                                                                     | 0.522 |
| 6            | 4            | 15                                                                                | 1025U06 01                                                                        | 1025U06 02                                                                        | 1025U06 03                                                                        | 1025U06 04                                                                        | 1025U06 05                                                                          | 1025U06 06                                                                          | 0.591 |
| 8            | 5.5          | 20                                                                                | 1025U08 01                                                                        | 1025U08 02                                                                        | 1025U08 03                                                                        | 1025U08 04                                                                        | 1025U08 05                                                                          | 1025U08 06                                                                          | 0.971 |
| 10           | 7            | 25                                                                                | 1025U10 01                                                                        | 1025U10 02                                                                        |                                                                                   | 1025U10 04                                                                        | 1025U10 05                                                                          | 1025U10 06                                                                          | 1.467 |
| 12           | 8            | 35                                                                                | 1025U12 01                                                                        | 1025U12 02                                                                        |                                                                                   | 1025U12 04                                                                        | 1025U12 05                                                                          | 1025U12 06                                                                          | 2.406 |
| 14           | 9.5          | 45                                                                                | 1025U14 01 95                                                                     |                                                                                   |                                                                                   | 1025U14 04 95                                                                     |                                                                                     |                                                                                     | 2.815 |
| 16           | 11           | 45                                                                                | 1025U16 01 11                                                                     | 1025U16 02 11                                                                     | 1025U16 03 11                                                                     | 1025U16 04 11                                                                     |                                                                                     |                                                                                     | 2.815 |

Inch tubing available upon request

## 1100U Polyurethane (PU) Ester Tubing

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  |  |  | kg     |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
| 4            | 2.5          | 10                                                                                | 1100U04 01                                                                        | 1100U04 02                                                                        | 1100U04 03                                                                        | 1100U04 04                                                                        | 1100U04 05                                                                          | 1100U04 06                                                                          | 1.092  |
| 5            | 3            | 13                                                                                | 1100U05 01                                                                        |                                                                                   |                                                                                   | 1100U05 04                                                                        |                                                                                     |                                                                                     | 1.092  |
| 6            | 4            | 15                                                                                | 1100U06 01                                                                        | 1100U06 02                                                                        | 1100U06 03                                                                        | 1100U06 04                                                                        | 1100U06 05                                                                          | 1100U06 06                                                                          | 2.064  |
| 8            | 5.5          | 20                                                                                | 1100U08 01                                                                        | 1100U08 02                                                                        | 1100U08 03                                                                        | 1100U08 04                                                                        | 1100U08 05                                                                          | 1100U08 06                                                                          | 3.610  |
| 10           | 7            | 25                                                                                | 1100U10 01                                                                        |                                                                                   |                                                                                   | 1100U10 04                                                                        |                                                                                     |                                                                                     | 6.105  |
| 12           | 8            | 35                                                                                | 1100U12 01                                                                        |                                                                                   |                                                                                   | 1100U12 04                                                                        |                                                                                     |                                                                                     | 8.610  |
| 14           | 9.5          | 45                                                                                | 1100U14 01 95                                                                     |                                                                                   |                                                                                   | 1100U14 04 95                                                                     |                                                                                     |                                                                                     | 11.215 |
| 16           | 11           | 45                                                                                | 1100U16 01 11                                                                     | 1100U16 02 11                                                                     | 1100U16 03 11                                                                     | 1100U16 04 11                                                                     |                                                                                     |                                                                                     | 12.176 |

Inch tubing available upon request

## 2003U Polyurethane (PU) Ester Tubing

Drum 300 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 10           | 7            | 25                                                                                  | 2003U10 01                                                                          | 2003U10 02                                                                          | 2003U10 03                                                                          | 2003U10 04                                                                          | 2003U10 05                                                                            | 2003U10 06                                                                            | 16.600 |

## 2005U Polyurethane (PU) Ester Tubing

Drum 500 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 8            | 5.5          | 20                                                                                  | 2005U08 01                                                                          | 2005U08 02                                                                          | 2005U08 03                                                                          | 2005U08 04                                                                          | 2005U08 05                                                                            |                                                                                       | 17.100 |

## 2010U Polyurethane (PU) Ester Tubing

Drum 1000 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 4            | 2.5          | 12                                                                                  | 2010U04 01                                                                          | 2010U04 02                                                                          | 2010U04 03                                                                          | 2010U04 04                                                                          | 2010U04 05                                                                            | 2010U04 06                                                                            | 9.840  |
| 6            | 4            | 15                                                                                  | 2010U06 01                                                                          | 2010U06 02                                                                          | 2010U06 03                                                                          | 2010U06 04                                                                          | 2010U06 05                                                                            | 2010U06 06                                                                            | 20.460 |

# PU Tubing

## 1025U..R Polyurethane (PU) Ether Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 12                                                                                | 1025U04R01                                                                        | 1025U04R04                                                                        | 1025U04R08                                                                        | 1025U04R12                                                                         | 1025U04R13                                                                          | 1025U04R14                                                                          | 1025U04R17                                                                          | 0.310 |
| 5            | 3            | 13                                                                                |                                                                                   |                                                                                   | 1025U05R08                                                                        |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.522 |
| 6            | 4            | 15                                                                                | 1025U06R01                                                                        | 1025U06R04                                                                        | 1025U06R08                                                                        | 1025U06R12                                                                         | 1025U06R13                                                                          | 1025U06R14                                                                          | 1025U06R17                                                                          | 0.591 |
| 8            | 5.5          | 20                                                                                | 1025U08R01                                                                        | 1025U08R04                                                                        | 1025U08R08                                                                        | 1025U08R12                                                                         | 1025U08R13                                                                          | 1025U08R14                                                                          | 1025U08R17                                                                          | 0.971 |
| 10           | 7            | 25                                                                                | 1025U10R01                                                                        | 1025U10R04                                                                        | 1025U10R08                                                                        |                                                                                    |                                                                                     | 1025U10R14                                                                          |                                                                                     | 1.467 |
| 12           | 8            | 35                                                                                | 1025U12R01                                                                        | 1025U12R04                                                                        | 1025U12R08                                                                        |                                                                                    |                                                                                     | 1025U12R14                                                                          |                                                                                     | 2.406 |
| 14           | 9.5          | 45                                                                                |                                                                                   | 1025U14R01 95                                                                     | 1025U14R04 95                                                                     |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 2.815 |
| 16           | 11           | 45                                                                                |                                                                                   |                                                                                   | 1025U16R08 11                                                                     |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 2.815 |

## 1100U..R Polyurethane (PU) Ether Tubing

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  |  |  |  | kg     |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
| 4            | 2.5          | 12                                                                                | 1100U04R01                                                                        | 1100U04R04                                                                        | 1100U04R08                                                                        | 1100U04R12                                                                         | 1100U04R13                                                                          | 1100U04R14                                                                          | 1100U04R17                                                                          | 1.092  |
| 6            | 4            | 15                                                                                | 1100U06R01                                                                        | 1100U06R04                                                                        | 1100U06R08                                                                        | 1100U06R12                                                                         | 1100U06R13                                                                          | 1100U06R14                                                                          | 1100U06R17                                                                          | 2.064  |
| 8            | 5.5          | 20                                                                                | 1100U08R01                                                                        | 1100U08R04                                                                        | 1100U08R08                                                                        | 1100U08R12                                                                         | 1100U08R13                                                                          | 1100U08R14                                                                          | 1100U08R17                                                                          | 3.610  |
| 10           | 7            | 25                                                                                |                                                                                   |                                                                                   | 1100U10R08                                                                        |                                                                                    |                                                                                     | 1100U10R14                                                                          |                                                                                     | 6.109  |
| 12           | 8            | 35                                                                                |                                                                                   |                                                                                   | 1100U12R04                                                                        |                                                                                    |                                                                                     | 1100U12R08                                                                          |                                                                                     | 8.610  |
| 14           | 9.5          | 45                                                                                |                                                                                   |                                                                                   | 1100U14R08 95                                                                     |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 11.215 |
| 16           | 11           | 45                                                                                |                                                                                   |                                                                                   | 1100U16R08 11                                                                     |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 12.176 |

## 2003U..R Polyurethane (PU) Ether Tubing

Drum 300 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 10           | 7            | 25                                                                                  | 2003U10R01                                                                          | 2003U10R04                                                                          | 2003U10R08                                                                            | 16.600 |

## 2005U..R Polyurethane (PU) Ether Tubing

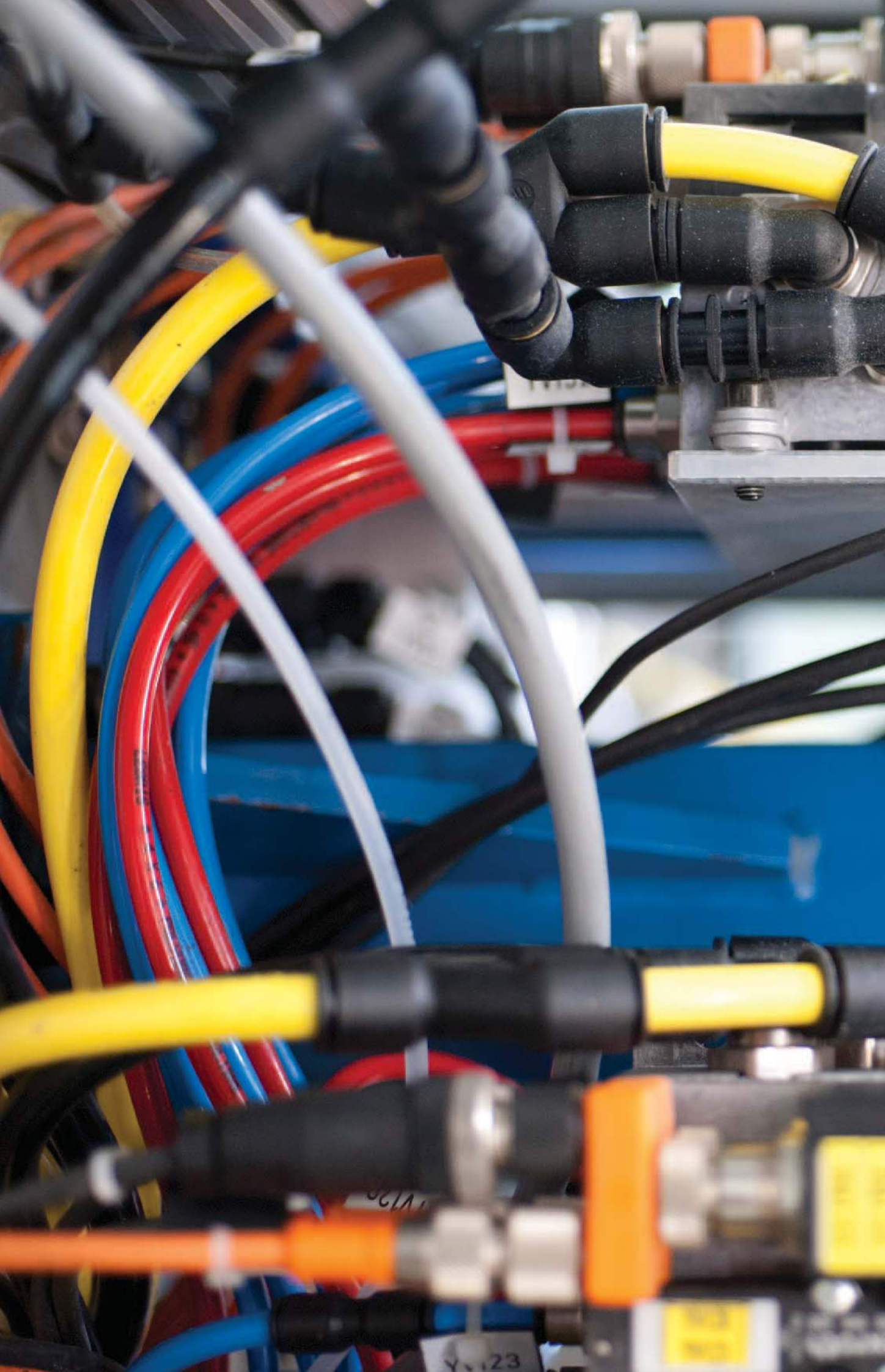
Drum 500 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 8            | 5.5          | 20                                                                                  | 2005U08R01                                                                          | 2005U08R04                                                                          | 2005U08R08                                                                            | 15.600 |

## 2010U..R Polyurethane (PU) Ether Tubing

Drum 1000 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 4            | 2.5          | 12                                                                                  | 2010U04R01                                                                          | 2010U04R04                                                                          | 2010U04R08                                                                            | 8.670  |
| 6            | 4            | 15                                                                                  | 2010U06R01                                                                          | 2010U06R04                                                                          | 2010U06R08                                                                            | 18.600 |



Flexible Calibrated Tubing

Technical Tubing & Hose



# Antistatic PU Tubing

With a constant **10<sup>2</sup> Ω.m resistivity** across the entire thickness of the tubing wall, this tubing guarantees **perfect dissipation of accumulated static electricity**, thereby increasing safety.

## Product Advantages

### Security

- Low resistivity throughout the material
- Suitable for ATEX\* areas
- Superior longevity
- Excellent vibration absorption
- UV-resistant
- Silicone-free

### Machinery Optimisation

- Minimum bend radius allowing maximum space saving
- Good chemical resistance
- Wide temperature range
- Stable chemical characteristics throughout tubing



Antistatic Packaging  
Pneumatics  
Electronics  
Spray Painting  
Electrical Converters

Applications

## Technical Characteristics

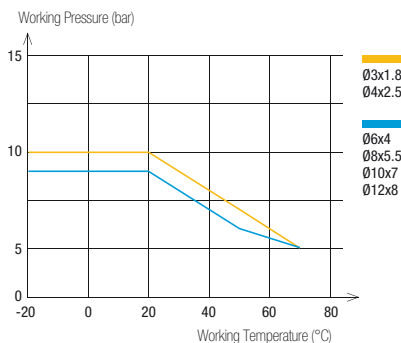
|                            |                                                    |
|----------------------------|----------------------------------------------------|
| <b>Compatible Fluids</b>   | Compressed air, industrial fluids                  |
| <b>Working Pressure</b>    | Vacuum to 10 bar                                   |
| <b>Working Temperature</b> | -20°C to +70°C                                     |
| <b>Component Materials</b> | Polyurethane with conductive additive (50 shore D) |

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Regulations

DI: 94/9/EC (ATEX\*)  
DI: 1907/2006 (REACH)  
DI: 2002/95/EC (RoHS), 2011/65/EC  
\*For ATEX areas, please consult us

### Performance of Antistatic PU Tubing



To calculate burst pressure, the values in this graph should be multiplied by 3.

| Tube O.D.   | Tube O.D. Tolerance |
|-------------|---------------------|
| 3 to 8 mm   | +0.10 / -0.10       |
| 10 to 12 mm | +0.15 / -0.15       |

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing based on NF E49-101.

### Packaging

Tubepack®: 25 m, 100 m

## 1025U..A Anti-Static Polyurethane (PU) Ester Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 12                                                                                | <a href="#">1025U04A01</a>                                                        | 0.310 |
| 6            | 4            | 15                                                                                | <a href="#">1025U06A01</a>                                                        | 0.591 |
| 8            | 5.5          | 25                                                                                | <a href="#">1025U08A01</a>                                                        | 0.971 |

## 1100U..A Anti-Static Polyurethane (PU) Ester Tubing

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
| 3            | 1.8          | 10                                                                                | <a href="#">1100U03A01</a>                                                        | 0.836 |
| 4            | 2.5          | 12                                                                                | <a href="#">1100U04A01</a>                                                        | 1.092 |
| 6            | 4            | 15                                                                                | <a href="#">1100U06A01</a>                                                        | 2.064 |
| 8            | 5.5          | 25                                                                                | <a href="#">1100U08A01</a>                                                        | 3.610 |
| 10           | 7            | 35                                                                                | <a href="#">1100U10A01</a>                                                        | 6.105 |
| 12           | 8            | 45                                                                                | <a href="#">1100U12A01</a>                                                        | 8.610 |

Flexible Calibrated Tubing

Technical Tubing & Hose

### Related Products

To maintain the antistatic properties throughout the circuit, it is recommended that this tubing be used with metallic fittings.

#### Push-In Fittings

[LF 3600](#) P. 1-65



[LF 3800](#) P. 1-77



[LF 3900](#) P. 1-77



#### Compression Fittings

[Brass](#) P. 5-5



[Stainless Steel](#) P. 5 -31





# Anti-Spark PU Tubing

Combining **outstanding spark resistance** with superb **flexibility**, this range is perfectly suited for welding applications.

Two types of PU - ether with PVC sheath or single layer ether - are available and allow **rapid installation** with Parker Legris push-in fittings.

## Product Advantages

### PU with PVC Sheath

- High resistance to kinking and abrasion
- Non-adhesive jacket facilitating sheath removal
- Fluid direction marking
- Self-extinguishing sheath, protecting the inner tubing
- Silicone-free

### Single Layer PU

- Minimum bend radius for maximum space saving
- Significant flexibility for rapid cycling
- Good chemical resistance
- Flow direction marking
- Fireproof material
- Silicone-free



Industrial Machinery  
Compressed Air  
Robotics  
Mechanical Constraints  
Cooling  
Welding  
Cabling

Applications

## Technical Characteristics

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| <b>Compatible Fluids</b>   | Industrial fluids, compressed air, coolants       |
| <b>Working Pressure</b>    | Vacuum to 14 bar                                  |
| <b>Working Temperature</b> | -20°C to +70°C                                    |
| <b>Component Materials</b> | PU ether with PVC sheath<br>PU ether single layer |

| O.D. of Tube | Sheath Removal Length for LF 3600 (mm) |
|--------------|----------------------------------------|
| 4 mm         | 15± 1                                  |
| 6 mm         | 18± 1                                  |
| 8 mm         | 19± 1                                  |
| 10 mm        | 24± 1                                  |
| 12 mm        | 25± 1                                  |

### Regulations

UL94 V-0 (Fire resistance)  
DI: 2002/95/EC (RoHS),  
2011/65/EC  
RG: 1907/2006 (REACH)

### Packaging

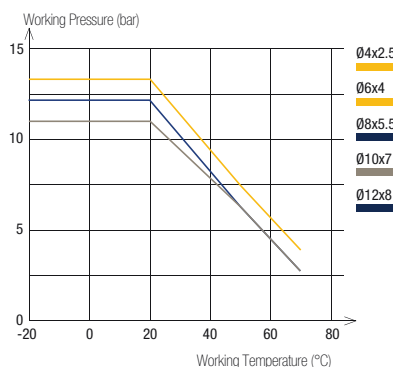
Tubepack®: 25 m, 100 m

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

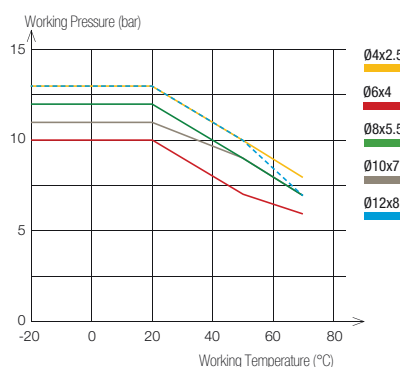
For other fitting ranges, please consult us.

## Tubing Performance

### Anti-Spark PU Tubing, with PVC Sheath



### Anti-Spark PU Tubing, Single Layer



| Tube O.D.   | Tube O.D. Tolerance | Thickness and Tolerances of PVC Sheath |
|-------------|---------------------|----------------------------------------|
| 4 to 8 mm   | +0.10 / -0.10       | 1mm<br>+0.10 / -0.10                   |
| 10 to 12 mm | +0.15 / -0.15       |                                        |

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing based on NF E49-101 (inner tubing for sheathed or single layer tubing).

To calculate burst pressure, the values in these graphs should be multiplied by 3.

## 1025U..V Anti-Spark Sheath Polyurethane (PU) Ether Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 6            | 4            | 12                                                                                | 1025U06V01                                                                        | 1025U06V02                                                                        | 1025U06V03                                                                         | 1025U06V04                                                                          | 1.200 |
| 8            | 5.5          | 20                                                                                | 1025U08V01                                                                        | 1025U08V02                                                                        | 1025U08V03                                                                         | 1025U08V04                                                                          | 1.620 |
| 10           | 7            | 25                                                                                | 1025U10V01                                                                        | 1025U10V02                                                                        | 1025U10V03                                                                         | 1025U10V04                                                                          | 2.900 |
| 12           | 8            | 35                                                                                | 1025U12V01                                                                        | 1025U12V02                                                                        | 1025U12V03                                                                         | 1025U12V04                                                                          | 4.030 |

## 1100U..V Anti-Spark Sheath Polyurethane (PU) Ether Tubing

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg     |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
| 6            | 4            | 12                                                                                | 1100U06V01                                                                        | 1100U06V02                                                                        | 1100U06V03                                                                         | 1100U06V04                                                                          | 5.370  |
| 8            | 5.5          | 20                                                                                | 1100U08V01                                                                        | 1100U08V02                                                                        | 1100U08V03                                                                         | 1100U08V04                                                                          | 7.630  |
| 10           | 7            | 25                                                                                | 1100U10V01                                                                        | 1100U10V02                                                                        | 1100U10V03                                                                         | 1100U10V04                                                                          | 10.860 |
| 12           | 8            | 35                                                                                | 1100U12V01                                                                        | 1100U12V02                                                                        | 1100U12V03                                                                         | 1100U12V04                                                                          | 15.060 |

## 1025U..K Single Layer Anti-Spark Polyurethane (PU) Ether Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 12                                                                                | 1025U04K01                                                                        | 1025U04K02                                                                        | 1025U04K03                                                                         | 1025U04K04                                                                          | 0.230 |
| 6            | 4            | 15                                                                                | 1025U06K01                                                                        | 1025U06K02                                                                        | 1025U06K03                                                                         | 1025U06K04                                                                          | 0.580 |
| 8            | 5.5          | 20                                                                                | 1025U08K01                                                                        | 1025U08K02                                                                        | 1025U08K03                                                                         | 1025U08K04                                                                          | 0.860 |
| 10           | 7            | 25                                                                                | 1025U10K01                                                                        | 1025U10K02                                                                        | 1025U10K03                                                                         | 1025U10K04                                                                          | 1.230 |
| 12           | 8            | 35                                                                                | 1025U12K01                                                                        | 1025U12K02                                                                        | 1025U12K03                                                                         | 1025U12K04                                                                          | 2.080 |
| 14           | 9.5          | 45                                                                                |                                                                                   | 1025U14K02 95                                                                     | 1025U14K03 95                                                                      |                                                                                     | 2.620 |

## 1100U..K Single Layer Anti-Spark Polyurethane (PU) Ether Tubing

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg     |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|
| 4            | 2.5          | 12                                                                                  | 1100U04K01                                                                          |                                                                                     |                                                                                      |                                                                                       | 0.900  |
| 6            | 4            | 15                                                                                  | 1100U06K01                                                                          | 1100U06K02                                                                          | 1100U06K03                                                                           | 1100U06K04                                                                            | 2.320  |
| 8            | 5.5          | 20                                                                                  | 1100U08K01                                                                          | 1100U08K02                                                                          | 1100U08K03                                                                           | 1100U08K04                                                                            | 3.030  |
| 10           | 7            | 25                                                                                  | 1100U10K01                                                                          | 1100U10K02                                                                          | 1100U10K03                                                                           | 1100U10K04                                                                            | 5.100  |
| 12           | 8            | 35                                                                                  | 1100U12K01                                                                          | 1100U12K02                                                                          | 1100U12K03                                                                           | 1100U12K04                                                                            | 8.600  |
| 14           | 9.5          | 45                                                                                  |                                                                                     | 1100U14K02 95                                                                       | 1100U14K03 95                                                                        |                                                                                       | 10.676 |

## 6000 71 00 Stripping Tool for Anti-Spark Tubing

|                                                                                     |                                                   |                                                                                     |       |
|-------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|  | Technical polymer, stainless steel                |  | kg    |
|                                                                                     |                                                   | 6000 71 00                                                                          | 0.098 |
|                                                                                     | Working principle of the stripping tool page 3-17 |                                                                                     |       |

# PE Tubing

Parker Legris offers two types of polyethylene tubing: **"Advanced PE" 50% reticulated** and **Low Density PE**. Our range of "Advanced PE" is designed for demanding environments, especially that of water treatment, without compromising operator **safety**.

## Product Advantages

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| <b>Advanced PE</b> | 50% reticulated material                                             |
|                    | Best balance between flexibility and pressure/temperature resistance |
|                    | Resistant to a wide range of aggressive chemicals                    |
|                    | UV-stabilised: ideal for outdoor applications                        |
|                    | Approved for permanent contact with food and beverages               |
|                    | Silicone-free                                                        |

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| <b>Low Density PE</b> | Excellent resistance to aggressive and corrosive agents |
|                       | Good technical trade-off                                |
|                       | Food-grade material                                     |
|                       | Silicone-free                                           |
|                       |                                                         |



**Applications**

- Beverage
- Chemical
- Petrochemical
- Food Process
- Water
- Water Treatment

## Technical Characteristics

| Tube                | Advanced PE                                                                            | Low Density PE                           |
|---------------------|----------------------------------------------------------------------------------------|------------------------------------------|
| Compatible Fluids   | Water, beverages and other fluids                                                      | Industrial fluids                        |
| Working Pressure    | Vacuum to 16 bar                                                                       | Vacuum to 20 bar                         |
| Working Temperature | -40°C to +95°C                                                                         | -40°C to +60°C                           |
| Component Materials | High quality polyethylene:<br>50% reticulated PE<br>50% low density PE<br>(44 shore D) | Low Density Polyethylene<br>(44 shore D) |

### Regulations

#### Advanced PE Tubing

FDA: 21 CFR 177.1520

RG: 1935/2004/EC

DI: 97/23/EC (PED)

DI: 2002/95/EC (RoHS), 2011/65/EC

NSF 42/58 (1/4" and 3/8" approved for 10 bar and 1/2" approved for 8 bar at room temperature)

NSF 51, 61 C-HOT

ACS (except for purple colour)

WRAS

RG: 1907/2006 (REACH)

#### Low Density PE Tubing

FDA: 21 CFR 177.1520

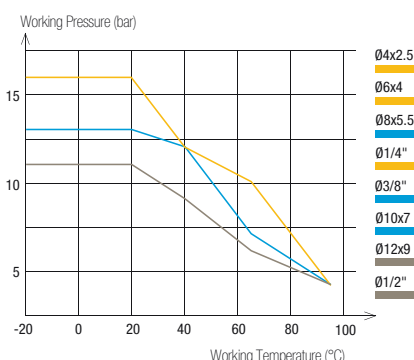
DI: 2002/95/EC (RoHS), 2011/65/EC

DI: 97/23/EC (PED)

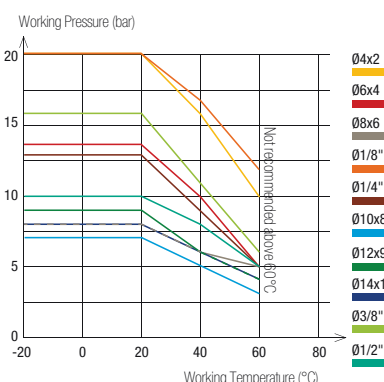
Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Tubing Performance

#### Advanced PE Tubing



#### Low Density PE Tubing



| Tube O.D.    | Tube O.D. Tolerance |
|--------------|---------------------|
| 1/4" to 1/2" | +0.10 / -0.10       |
| 4 to 14 mm   | +0.10 / -0.10       |

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing.

#### Packaging

Advanced PE Tubing  
Tubepack®: 75 m, 150 m, 300 m  
250 feet, 500 feet, 1 000 feet

PE Tubing  
Tubepack®: 25 m, 100 m

To calculate burst pressure, the values in these graphs should be multiplied by 3.

**1015Y..F** Advanced Polyethylene (APE) Tubing

Drum 150 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  |  |  White | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 16                                                                                | 1015Y04F00                                                                              | 1015Y04F01                                                                        | 1015Y04F02                                                                        | 1015Y04F03                                                                        | 1015Y04F04                                                                         | 1015Y04F05                                                                          | 1015Y04F10                                                                                | 1.760 |
| 6            | 4            | 32                                                                                | 1015Y06F00                                                                              | 1015Y06F01                                                                        | 1015Y06F02                                                                        | 1015Y06F03                                                                        | 1015Y06F04                                                                         | 1015Y06F05                                                                          | 1015Y06F10                                                                                | 2.580 |
| 8            | 5.75         | 40                                                                                | 1015Y08F00                                                                              | 1015Y08F01                                                                        | 1015Y08F02                                                                        | 1015Y08F03                                                                        | 1015Y08F04                                                                         | 1015Y08F05                                                                          | 1015Y08F10                                                                                | 4.050 |
| 10           | 7            |                                                                                   | 1015Y10F00                                                                              | 1015Y10F01                                                                        | 1015Y10F02                                                                        | 1015Y10F03                                                                        | 1015Y10F04                                                                         | 1015Y10F05                                                                          | 1015Y10F10                                                                                | 6.200 |

**1030Y..F** Advanced Polyethylene (APE) Tubing

Drum 300 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  |  |  White | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 16                                                                                | 1030Y04F00                                                                              | 1030Y04F01                                                                        | 1030Y04F02                                                                        | 1030Y04F03                                                                        | 1030Y04F04                                                                         | 1030Y04F05                                                                          | 1030Y04F10                                                                                | 2.860 |
| 6            | 4            | 32                                                                                | 1030Y06F00                                                                              | 1030Y06F01                                                                        | 1030Y06F02                                                                        | 1030Y06F03                                                                        | 1030Y06F04                                                                         | 1030Y06F05                                                                          | 1030Y06F10                                                                                | 4.800 |

**1075Y..F** Advanced Polyethylene (APE) Tubing

Drum 75 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  |  |  |  |  |  White | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------|
| 12           | 9            | 55                                                                                | 1075Y12F00                                                                              | 1075Y12F01                                                                        | 1075Y12F02                                                                        | 1075Y12F03                                                                        | 1075Y12F04                                                                         | 1075Y12F05                                                                          | 1075Y12F10                                                                                | 5.550 |

**1096Y..F** Advanced Polyethylene (APE) Tubing

Drum 250 ft

| O.D.<br>(inch) | I.D.<br>(inch) |  |  Clear |  |  |  |  |  |  White | kg    |
|----------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------|
| 1/2            | 0.375          | 1.96                                                                                | 1096Y62F00                                                                                | 1096Y62F01                                                                          | 1096Y62F02                                                                          | 1096Y62F03                                                                          | 1096Y62F04                                                                           | 1096Y62F05                                                                            | 1096Y62F10                                                                                  | 5.900 |

**1098Y..F** Advanced Polyethylene (APE) Tubing

Drum 500 ft

| O.D.<br>(inch) | I.D.<br>(inch) |  |  Clear |  |  |  |  |  |  White | kg    |
|----------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------|
| 1/4            | 0.170          | 0.78                                                                                | 1098Y56F00                                                                                | 1098Y56F01                                                                          | 1098Y56F02                                                                          | 1098Y56F03                                                                          | 1098Y56F04                                                                           | 1098Y56F05                                                                            | 1098Y56F10                                                                                  | 3.300 |
| 3/8            | 0.250          | 1.18                                                                                | 1098Y60F00                                                                                | 1098Y60F01                                                                          | 1098Y60F02                                                                          | 1098Y60F03                                                                          | 1098Y60F04                                                                           | 1098Y60F05                                                                            | 1098Y60F10                                                                                  | 6.300 |

**1099Y..F** Advanced Polyethylene (APE) Tubing

Drum 1000 ft

| O.D.<br>(inch) | I.D.<br>(inch) |  |  Clear |  |  |  |  |  |  White | kg    |
|----------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------|
| 1/4            | 0.170          | 0.78                                                                                | 1099Y56F00                                                                                | 1099Y56F01                                                                          | 1099Y56F02                                                                          | 1099Y56F03                                                                          | 1099Y56F04                                                                           | 1099Y56F05                                                                            | 1099Y56F10                                                                                  | 5.500 |

## Low Density Polyethylene (LDPE) Tubing

**1025Y**

Tubepack® 25 m

| Ø ext.<br>(inch) | Ø int.<br>(inch) |  |  Clear | kg    |
|------------------|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------|
| 1/8              | 1.57             | 13                                                                                  | 1025Y53 00                                                                                | 0.270 |
| 1/4              | 4.3              | 32                                                                                  | 1025Y56 00                                                                                | 0.400 |
| 3/8              | 6.35             | 50                                                                                  | 1025Y60 00                                                                                | 0.760 |
| 1/2              | 9.65             | 64                                                                                  | 1025Y62 00                                                                                | 1.330 |

**1100Y**

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear | kg    |
|--------------|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------|
| 4            | 2            | 25                                                                                   | 1100Y04 00                                                                                  | 0.910 |
| 6            | 4            | 35                                                                                   | 1100Y06 00                                                                                  | 1.500 |
| 8            | 6            | 55                                                                                   | 1100Y08 00                                                                                  | 2.140 |
| 10           | 8            | 80                                                                                   | 1100Y10 00                                                                                  | 2.710 |
| 12           | 9            | 65                                                                                   | 1100Y12 00                                                                                  | 4.750 |
| 14           | 11           | 80                                                                                   | 1100Y14 00                                                                                  | 5.650 |

# Fluoropolymer Tubing – FEP

**FEP** (fluorinated ethylene propylene) tubing is a **robust engineering fluoropolymer** which provides excellent fluid visibility and is perfect for flow control monitoring.

## Product Advantages

|                           |                                                |
|---------------------------|------------------------------------------------|
| Flow Control              | Transparent                                    |
|                           | Flexible and non-flammable material            |
|                           | Resistant to nearly all chemicals and solvents |
| Tried-&-Tested Properties | Excellent transmission of UV light             |
|                           | Low friction coefficient                       |
|                           | Food-grade material                            |
|                           | Low permeability                               |
|                           | Easily weldable                                |
|                           | Silicone-free                                  |

|              |                                |
|--------------|--------------------------------|
| Applications | Instrumentation                |
|              | Food Process                   |
|              | UV                             |
|              | Gas Sampling                   |
|              | Chemical                       |
|              | Temperature Cycling Laboratory |

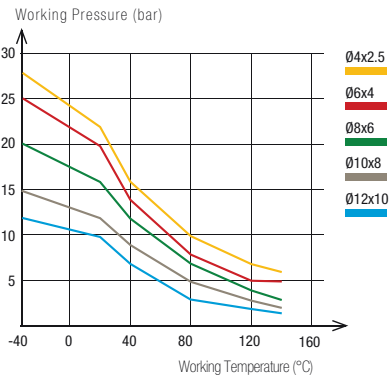
## Technical Characteristics

|                     |                                       |
|---------------------|---------------------------------------|
| Compatible Fluids   | Industrial fluids                     |
| Working Pressure    | 0 to 28 bar                           |
| Working Temperature | -40°C to +150°C                       |
| Component Materials | Fluorinated ethylene propylene (pure) |

|                                   |
|-----------------------------------|
| Regulations                       |
| Food                              |
| FDA: 21 CFR 177.1550              |
| RG: 1935/2004                     |
| Industrial                        |
| UL94 V-0 (Fire resistance)        |
| DI: 2002/95/EC (RoHS), 2011/65/EC |
| DI: 97/23/EC (PED)                |
| RG: 1907/2006 (REACH)             |

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

## Performance of FEP Tubing



| Tube O.D.  | Tube O.D. Tolerance |
|------------|---------------------|
| 4 mm       | +0.05 / -0.05       |
| 6 to 10 mm | +0.07 / -0.07       |
| 12 mm      | +0.10 / -0.10       |

**Packaging**  
Tubepack®: 5 m, 25 m, 100 m

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing.

## 1005T Fluoropolymer (FEP) Tubing

Tubepack® 5 m

| O.D.<br>(mm) | I.D.<br>(mm) |  R |  Clear | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 40                                                                                  | <a href="#">1005T04 00 25</a>                                                           | 0.155 |
| 6            | 4            | 50                                                                                  | <a href="#">1005T06 00</a>                                                              | 0.250 |
| 8            | 6            | 70                                                                                  | <a href="#">1005T08 00</a>                                                              | 0.385 |
| 10           | 8            | 120                                                                                 | <a href="#">1005T10 00</a>                                                              | 0.524 |
| 12           | 10           | 180                                                                                 | <a href="#">1005T12 00</a>                                                              | 0.547 |

## 1025T Fluoropolymer (FEP) Tubing

Tubepack® 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  R |  Clear | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------|
| 4            | 2.5          | 40                                                                                  | <a href="#">1025T04 00 25</a>                                                           | 0.506 |
| 6            | 4            | 50                                                                                  | <a href="#">1025T06 00</a>                                                              | 1.025 |
| 8            | 6            | 70                                                                                  | <a href="#">1025T08 00</a>                                                              | 1.431 |
| 10           | 8            | 120                                                                                 | <a href="#">1025T10 00</a>                                                              | 1.693 |
| 12           | 10           | 180                                                                                 | <a href="#">1025T12 00</a>                                                              | 1.913 |

### Related Products

Parker Legris stainless steel fittings are perfectly suited for use with fluoropolymer tubing (PFA, FEP).

#### Push-In Fittings

[LF 3800](#) P. 1-77



[LF 3900](#) P. 1-77



#### Compression Fittings

[Stainless Steel](#) P. 5-31





# Fluoropolymer Tubing - PFA

Parker Legris **PFA** (perfluoroalkoxy) tubing offers **10 times greater durability** than other fluoropolymer tubings (PTFE, FEP and PVDF) under severe chemical and mechanical conditions. This tubing range is available in **three material grades**, offering perfect compatibility with all applications, even in extreme environments.

## Product Advantages

### Great Versatility

- Exceptional chemical inertia
- A flexible alternative to stainless steel tubing
- Broad range of working temperatures, from cryogenic to extreme heat
- Non-stick properties allowing conveyance of many fluids & gases
- Outstanding resistance to ageing
- Fluoropolymer with the lowest permeability
- Non-flammable
- UV-transparent
- Tube marking on request
- Silicone-free

### Three Material Grades

- Clear High Purity PFA: to cover all applications, including those requiring maximum mechanical resistance
- Coloured PFA: for circuit identification
- Black Antistatic PFA: eliminates all risk of electrostatic discharge



Food-Process  
Fuel Cells  
Electrical/Electronics  
Aircraft  
Oil/Gas Industry  
Pharmaceutical  
Medical  
Chemical  
Clean Rooms

Applications

## Technical Characteristics

|                     |                                                                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Compatible Fluids   | Medical, bio-compatible, food process, gas, compressed air                                                                                        |
| Working Pressure    | Vacuum to 36 bar                                                                                                                                  |
| Working Temperature | -196°C to +260°C                                                                                                                                  |
| Component Materials | Perfluoroalkoxy <ul style="list-style-type: none"> <li>• High Purity PFA</li> <li>• Translucent coloured PFA</li> <li>• Antistatic PFA</li> </ul> |

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Regulations

#### Medical

USP: Class VI (A)  
External communication devices

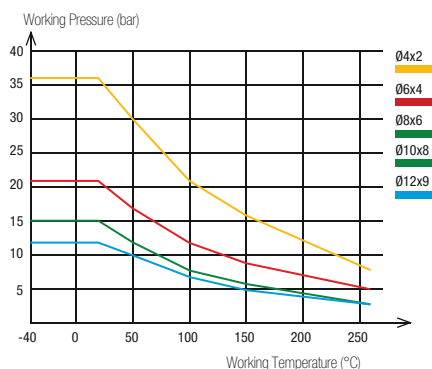
#### Industrial

UL94 V-0 (Fire resistance)  
DI: 2002/95/EC (RoHS), 2011/65/EC  
DI: 97/23/EC (PED)  
RG: 1907/2006 (REACH)  
DI: 94/09/EC (ATEX, black tubing)

#### Food Industry

FDA: 21 CFR 177.1550  
(clear, translucent coloured)  
RG: 1935/2004  
NSF 51 (material)

### Performance of PFA Tubing



| Tube O.D.   | Tube O.D. Tolerance |
|-------------|---------------------|
| 4 to 8 mm   | +0.10 / -0.10       |
| 10 to 12 mm | +0.15 / -0.15       |

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing based on NF E49-100.

### Packaging

Tubepack®: 10 m, 50 m, 100 m

To calculate burst pressure, the values in this graph should be multiplied by 3.

## 1010T..P Fluoropolymer (PFA) Tubing

Tubepack® 10 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  crystal |  crystal |  crystal | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------|
| 4            | 2            | 12                                                                                | 1010T04P00                                                                              | 1010T04P12                                                                                | 1010T04P13                                                                                 | 1010T04P14                                                                                  | 0.087 |
| 6            | 4            | 34                                                                                | 1010T06P00                                                                              | 1010T06P12                                                                                | 1010T06P13                                                                                 | 1010T06P14                                                                                  | 0.237 |
| 8            | 6            | 60                                                                                | 1010T08P00                                                                              | 1010T08P12                                                                                | 1010T08P13                                                                                 | 1010T08P14                                                                                  | 0.410 |
| 10           | 8            | 95                                                                                | 1010T10P00                                                                              | 1010T10P12                                                                                | 1010T10P13                                                                                 | 1010T10P14                                                                                  | 0.723 |
| 12           | 9            | 120                                                                               | 1010T12P00                                                                              | 1010T12P12                                                                                | 1010T12P13                                                                                 | 1010T12P14                                                                                  | 1.148 |

## 1050T..P Fluoropolymer (PFA) Tubing

Tubepack® 50 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  crystal |  crystal |  crystal | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------|
| 4            | 2            | 12                                                                                | 1050T04P00                                                                              | 1050T04P12                                                                                | 1050T04P13                                                                                 | 1050T04P14                                                                                  | 0.435 |
| 6            | 4            | 34                                                                                | 1050T06P00                                                                              | 1050T06P12                                                                                | 1050T06P13                                                                                 | 1050T06P14                                                                                  | 1.185 |
| 8            | 6            | 60                                                                                | 1050T08P00                                                                              | 1050T08P12                                                                                | 1050T08P13                                                                                 | 1050T08P14                                                                                  | 2.050 |
| 10           | 8            | 95                                                                                | 1050T10P00                                                                              | 1050T10P12                                                                                | 1050T10P13                                                                                 | 1050T10P14                                                                                  | 3.615 |
| 12           | 9            | 120                                                                               | 1050T12P00                                                                              | 1050T12P12                                                                                | 1050T12P13                                                                                 | 1050T12P14                                                                                  | 5.740 |

## 1100T..P Fluoropolymer (PFA) Tubing

Tubepack® 100 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  Clear |  crystal |  crystal |  crystal | kg     |
|--------------|--------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------|
| 4            | 2            | 12                                                                                 | 1100T04P00                                                                               | 1100T04P12                                                                                 | 1100T04P13                                                                                  | 1100T04P14                                                                                   | 0.870  |
| 6            | 4            | 34                                                                                 | 1100T06P00                                                                               | 1100T06P12                                                                                 | 1100T06P13                                                                                  | 1100T06P14                                                                                   | 2.370  |
| 8            | 6            | 60                                                                                 | 1100T08P00                                                                               | 1100T08P12                                                                                 | 1100T08P13                                                                                  | 1100T08P14                                                                                   | 4.100  |
| 10           | 8            | 95                                                                                 | 1100T10P00                                                                               | 1100T10P12                                                                                 | 1100T10P13                                                                                  | 1100T10P14                                                                                   | 7.230  |
| 12           | 9            | 120                                                                                | 1100T12P00                                                                               | 1100T12P12                                                                                 | 1100T12P13                                                                                  | 1100T12P14                                                                                   | 11.480 |

## 1010T..A Fluoropolymer (PFA) Antistatic Tubing

Tubepack® 10 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 4            | 2            | 12                                                                                  | 1010T04A01                                                                          | 0.087 |
| 6            | 4            | 34                                                                                  | 1010T06A01                                                                          | 0.237 |
| 8            | 6            | 60                                                                                  | 1010T08A01                                                                          | 0.410 |
| 10           | 8            | 95                                                                                  | 1010T10A01                                                                          | 0.723 |
| 12           | 9            | 120                                                                                 | 1010T12A01                                                                          | 1.148 |

## 1050T..A Fluoropolymer (PFA) Antistatic Tubing

Tubepack® 50 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 4            | 2            | 12                                                                                  | 1050T04A01                                                                          | 0.435 |
| 6            | 4            | 34                                                                                  | 1050T06A01                                                                          | 1.185 |
| 8            | 6            | 60                                                                                  | 1050T08A01                                                                          | 2.050 |
| 10           | 8            | 95                                                                                  | 1050T10A01                                                                          | 0.362 |
| 12           | 9            | 120                                                                                 | 1050T12A01                                                                          | 5.740 |

# Multi-Tubing

Our range of multi-tubing combines high quality performance and **space optimisation** in complex pneumatic circuits **covering a wide range of environments**. Many possible **configurations** are available, depending on the pressure, temperature, flexibility and compatibility requirements.

## Product Advantages

### Sheathed PA Tubing

PVC sheath resistant to external damage:

- abrasion
- weld spatter
- aggressive fluids

Helically wound: minimum bend radius, compact installation

Simplified routing

Easy identification of circuits

Same technical performance as PA

Possible number of tubes: from 2 to 12, with numbering

Silicone-free

### Twin PU Ester Tubing

Tubes fully joined for improved solidity

External diameter maintained after separation

Rapid identification of circuits

Quick and easy installation

Simplified routing

3 colour combinations available

Silicone-free



**Applications**

- Pneumatics
- Automation
- Robotics
- Transportation
- In-Plant Automotive
- Process Industry

## Technical Characteristics

| Tube                | PA                                           | PU                                |
|---------------------|----------------------------------------------|-----------------------------------|
| Compatible Fluids   | Compressed air, chemicals, industrial fluids | Compressed air, industrial fluids |
| Working Pressure    | Vacuum to 24 bar                             | 0 to 14 bar                       |
| Working Temperature | -40°C to +80°C                               | -20°C to +70°C                    |
| Component Materials | Polyamide                                    | Polyurethane ester                |

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Regulations

#### Industrial

DI: 2002/95/EC (RoHS), 2011/65/EC

DI: 97/23/EC (PED)

RG: 1907/2006 (REACH)

Performance and chemical resistance according to DIN 73378

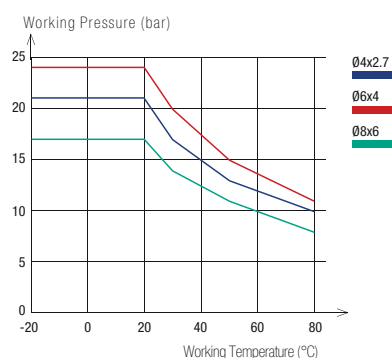
### Packaging

Sheathed PA Tubing:  
Tubepack® 10 m, 50 m

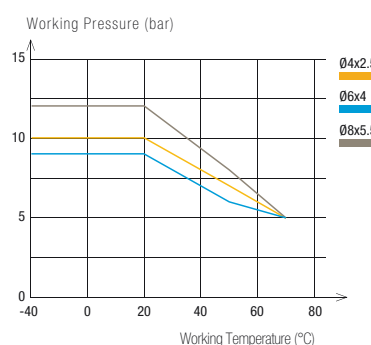
Twin PU Ester Tubing:  
Tubepack® 25 m

### Tubing Performance

#### Sheathed PA Tubing



#### Twin PU Ester Tubing



| Material | Tube O.D. | Tube O.D. Tolerance |
|----------|-----------|---------------------|
| PA       | 4 mm      | +0.05 / -0.08       |
|          | 6 to 8 mm | +0.05 / -0.10       |
| PU       | 4 to 8 mm | +0.10 / -0.10       |

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing based on NF E49-100 (for semi-rigid PA) and NF E49-101 (for twin PU ester).

To calculate burst pressure, the values in these graphs should be multiplied by 3.

## 1010P.. M Semi-Rigid Polyamide (PA) Multi-Tubing

Reel 10 m

| O.D.<br>(mm) | I.D.<br>(mm) |  | Number<br>of tubes |  | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|-------|
| 4            | 2.7          | 35                                                                                | 4                  | 1010P04 00M04                                                                     | 1.440 |
| 4            | 2.7          | 45                                                                                | 7                  | 1010P04 00M07                                                                     | 1.920 |
| 6            | 4            | 55                                                                                | 4                  | 1010P06 00M04                                                                     | 2.300 |
| 6            | 4            | 60                                                                                | 7                  | 1010P06 00M07                                                                     | 2.900 |
| 8            | 6            | 45                                                                                | 2                  | 1010P08 00M02                                                                     | 2.600 |

## 1050P.. M Semi-Rigid Polyamide (PA) Multi-Tubing

Reel 50 m

| O.D.<br>(mm) | I.D.<br>(mm) |  | Number<br>of tubes |  | kg     |
|--------------|--------------|-----------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|--------|
| 4            | 2.7          | 20                                                                                | 2                  | 1050P04 00M02                                                                     | 4.400  |
| 4            | 2.7          | 35                                                                                | 4                  | 1050P04 00M04                                                                     | 6.600  |
| 4            | 2.7          | 45                                                                                | 7                  | 1050P04 00M07                                                                     | 8.200  |
| 4            | 2.7          | 55                                                                                | 12                 | 1050P04 00M12                                                                     | 12.444 |
| 6            | 4            | 45                                                                                | 2                  | 1050P06 00M02                                                                     | 8.400  |
| 6            | 4            | 55                                                                                | 4                  | 1050P06 00M04                                                                     | 14.500 |
| 6            | 4            | 60                                                                                | 7                  | 1050P06 00M07                                                                     | 12.500 |
| 8            | 6            | 45                                                                                | 2                  | 1050P08 00M02                                                                     | 13.000 |

## 1420U Twin Polyurethane (PU) Tubing

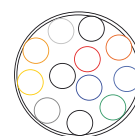
Tubepack® 25 m

| O.D.<br>tube<br>(mm) | I.D.<br>tube<br>(mm) |  |  |  |  | kg    |
|----------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|
| 4                    | 2.5                  | 12                                                                                  | 1420U04 11                                                                          | 1420U04 44                                                                          | 1420U04 41                                                                            | 0.620 |
| 6                    | 4                    | 15                                                                                  | 1420U06 11                                                                          | 1420U06 44                                                                          | 1420U06 41                                                                            | 1.182 |
| 8                    | 5.5                  | 20                                                                                  | 1420U08 11                                                                          | 1420U08 44                                                                          | 1420U08 41                                                                            | 1.942 |

### Colour Selection



Multi-Tubing  
Semi-Rigid PA/PVC Sheath



## Related Products

To complement the Multi-Tubing range, Parker Legris proposes multi-connectors, shown in Chapter 1.

### Push-In Fittings

**Multi-Connector** P. 1-31



# PA Recoil Tubing

Parker Legris recoil tubing has a **lasting memory after multiple uses**, offering an **alternative to reels** for excellent ergonomics and space saving. The pre-assembled tubes are equipped with a protection spring, preventing damage to the ends.

## Product Advantages

### Excellent Mechanical Properties

- Low pressure drop
- Good chemical compatibility
- Self-retracting
- Identical technical performance to PA tubing
- Silicone-free

### Comprehensive Range

- Ready-to-use
- Various colours for circuit identification
- Available with pre-assembled connectors



**Applications**

- MRO
- Pneumatic Tools
- Transportation
- Lubrication
- Industrial Cleaning
- Robotics
- Car Washing

## Technical Characteristics

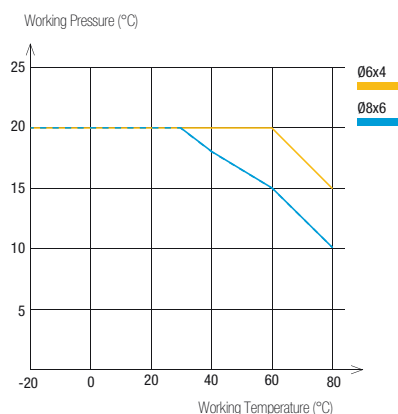
|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| <b>Compatible Fluids</b>   | Compressed air, lubricants,<br>Other fluids: please consult us |
| <b>Working Pressure</b>    | Vacuum to 20 bar                                               |
| <b>Working Temperature</b> | -20°C to +80°C                                                 |
| <b>Component Materials</b> | Polyamide (68 Shore D)                                         |

### Regulations

DI: 97/23/EC (PED)  
 RG: 1907/2006 (REACH)  
 DI: 2002/95/EC (RoHS), 2011/65/EC

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Performance of PA Recoil Tubing



| Tube O.D. | Passage | Tube O.D. Tolerance |
|-----------|---------|---------------------|
| 6 mm      | 4 mm    | +0.05 / -0.10       |
| 8 mm      | 6 mm    | +0.05 / -0.10       |

### Packaging

Plastic bags: 2m to 6 m  
 Other lengths and colours on request

To calculate burst pressure, the values in these graphs should be multiplied by 3.

## 1470P Polyamide (PA) Recoil Tubing 2 m, Male BSPT Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPT<br>Thread |  |  | Total Closed<br>Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|----------------------|-------|
| 6            | 4            | R1/4           | 1470P06 04 13                                                                     | 1470P06 07 13                                                                     | 520                            | 60                   | 0.143 |
| 8            | 6            |                | 1470P08 04 13                                                                     | 1470P08 07 13                                                                     | 560                            | 70                   | 0.174 |

Length of long straight section: 300 mm  
Length of short straight section: 100 mm

## 1471P Polyamide (PA) Recoil Tubing 4 m, Male BSPT Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPT<br>Thread |  |  | Total Closed<br>Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|----------------------|-------|
| 6            | 4            | R1/4           | 1471P06 04 13                                                                     | 1471P06 07 13                                                                     | 640                            | 60                   | 0.199 |
| 8            | 6            |                | 1471P08 04 13                                                                     | 1471P08 07 13                                                                     | 720                            | 70                   | 0.249 |

Length of long straight section: 300 mm  
Length of short straight section: 100 mm

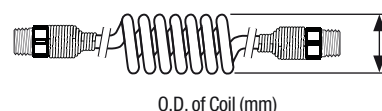
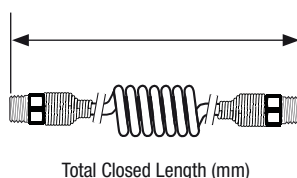
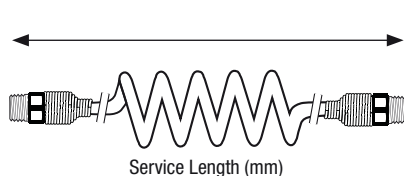
## 1472P Polyamide (PA) Recoil Tubing 6 m, Male BSPT Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPT<br>Thread |  |  | Total Closed<br>Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------|----------------------|-------|
| 6            | 4            | R1/4           | 1472P06 04 13                                                                     | 1472P06 07 13                                                                     | 760                            | 60                   | 0.260 |
| 8            | 6            |                | 1472P08 04 13                                                                     | 1472P08 07 13                                                                     | 880                            | 70                   | 0.329 |

Length of long straight section: 300 mm  
Length of short straight section: 100 mm

### Dimensions for Recoil Tubing

Service length: maximum recommended operating length in order to ensure that the coil will continue to contract after multiple uses.



# PU Recoil Tubing

With its small coil diameter and good impact resistance, this polyurethane recoil tubing is perfect for installations requiring **flexibility** in confined spaces. Good resistance to shock and abrasion, together with a design integrating straight ends, allow for **easy and safe operation** of pneumatic equipment.

## Product Advantages

### Excellent Mechanical Properties

- Excellent coil memory
- Abrasion-resistant
- Perfect for rapid cycling applications
- Consistent tensile strength
- Optimum longevity
- Low pressure drop
- Lightweight with plastic protection spring
- Silicone-free

### Comprehensive Range

- Available in 2 materials: PU ester and PU ether
- With or without pre-assembled fittings
- Pre-assembled plastic or metal protection springs to prevent damage to equipment and tubing



Applications

- Workshops
- Tooling
- Pneumatics
- Motion Technologies
- Robotics
- Industrial Machinery

## Technical Characteristics

|                     |                                      |
|---------------------|--------------------------------------|
| Compatible Fluids   | Compressed air                       |
| Working Pressure    | 0 to 10 bar                          |
| Working Temperature | -20°C to +70°C<br>(assembled tubing) |
| Component Materials | Polyurethane (52 Shore D)            |

### Regulations

**Industrial**  
 NF E49-101  
 DI: 2002/95/EC (RoHS), 2011/65/EC  
 DI: 97/23/EC (PED)  
 RG: 1907/2006 (REACH)

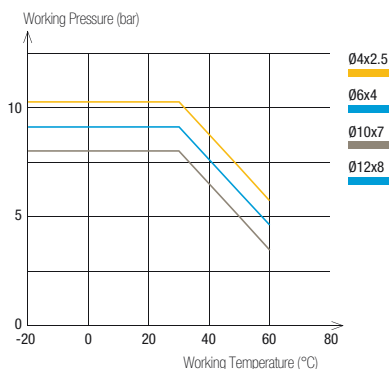
### Packaging

Plastic bags: from 2 m to 7.5 m

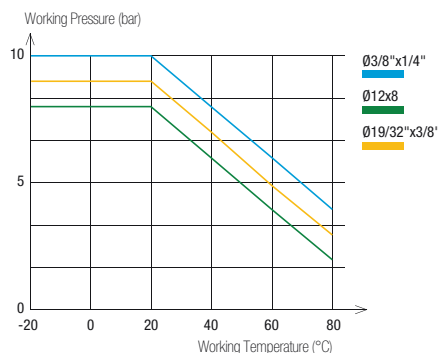
Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

### Performance of PU Recoil Tubing

#### PU Ester Recoil Tubing



#### PU Ether Recoil Tubing



| Tube O.D.       | Tube I.D.     | Tube O.D. Tolerance |
|-----------------|---------------|---------------------|
| 4 to 8 mm       | 2.5 to 5.5 mm | +0.10 / -0.10       |
| 10 to 12 mm     | 7 to 8 mm     | +0.15 / -0.15       |
| 3/8" and 19/32" | 1/4" and 3/8" | +/- 0.005"          |

To calculate burst pressure, the values in these graphs should be multiplied by 3.



## 1470U Polyurethane (PU) Ester Recoil Tubing 2 m, Male BSPT Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPT<br>Thread |  |  |  | Total Closed Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|----------------------|-------|
| 4            | 2.5          | R1/8           | 1470U04 03 10                                                                     | 1470U04 04 10                                                                     | 1470U04 05 10                                                                     | 595                         | 24                   | 0.060 |
| 6            | 4            | R1/4           | 1470U06 03 13                                                                     | 1470U06 04 13                                                                     | 1470U06 05 13                                                                     | 630                         | 32                   | 0.060 |
| 8            | 5            | R1/4           | 1470U08 03 13                                                                     | 1470U08 04 13                                                                     | 1470U08 05 13                                                                     | 780                         | 42                   | 0.120 |
| 10           | 7            | R1/4           | 1470U10 03 13                                                                     | 1470U10 04 13                                                                     | 1470U10 05 13                                                                     | 780                         | 62                   | 0.160 |
| 12           | 8            | R3/8           | 1470U12 03 17                                                                     | 1470U12 04 17                                                                     | 1470U12 05 17                                                                     | 780                         | 65                   | 0.190 |

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

## 1471U Polyurethane (PU) Ester Recoil Tubing 4 m, Male BSPT Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPT<br>Thread |  |  |  | Total Closed Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|----------------------|-------|
| 4            | 2.5          | R1/8           | 1471U04 03 10                                                                     | 1471U04 04 10                                                                     | 1471U04 05 10                                                                     | 785                         | 24                   | 0.100 |
| 6            | 4            | R1/4           | 1471U06 03 13                                                                     | 1471U06 04 13                                                                     | 1471U06 05 13                                                                     | 850                         | 32                   | 0.160 |
| 8            | 5            | R1/4           | 1471U08 03 13                                                                     | 1471U08 04 13                                                                     | 1471U08 05 13                                                                     | 1000                        | 42                   | 0.200 |
| 10           | 7            | R1/4           | 1471U10 03 13                                                                     | 1471U10 04 13                                                                     | 1471U10 05 13                                                                     | 1000                        | 62                   | 0.230 |
| 12           | 8            | R3/8           | 1471U12 03 17                                                                     | 1471U12 04 17                                                                     | 1471U12 05 17                                                                     | 1140                        | 65                   | 0.260 |

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

## 1472U Polyurethane (PU) Ester Recoil Tubing 6 m, Male BSPT Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPT<br>Thread |  |  |  | Total Closed Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------|----------------------|-------|
| 8            | 5            | R1/4           | 1472U08 03 13                                                                       | 1472U08 04 13                                                                       | 1472U08 05 13                                                                       | 1230                        | 42                   | 0.280 |
| 10           | 7            | R1/4           | 1472U10 03 13                                                                       | 1472U10 04 13                                                                       | 1472U10 05 13                                                                       | 1140                        | 62                   | 0.295 |
| 12           | 8            | R3/8           | 1472U12 03 17                                                                       | 1472U12 04 17                                                                       | 1472U12 05 17                                                                       | 1190                        | 65                   | 0.310 |

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

## 1460U Polyurethane (PU) Ester Recoil Tubing 2 m

| O.D.<br>(mm) | I.D.<br>(mm) |  | Total Closed Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-----------------------------|----------------------|-------|
| 8            | 5            | 1460U08 04                                                                          | 780                         | 42                   | 0.064 |
| 10           | 7            | 1460U10 04                                                                          | 780                         | 62                   | 0.122 |
| 12           | 8            | 1460U12 04                                                                          | 780                         | 65                   | 0.172 |

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

## 1461U Polyurethane (PU) Ester Recoil Tubing 4 m

| O.D.<br>(mm) | I.D.<br>(mm) |  | Total Closed Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-----------------------------|----------------------|-------|
| 8            | 5            | 1461U08 04                                                                          | 1000                        | 42                   | 0.128 |
| 10           | 7            | 1461U10 04                                                                          | 1000                        | 62                   | 0.244 |
| 12           | 8            | 1461U12 04                                                                          | 1000                        | 65                   | 0.344 |

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

## 1462U Polyurethane (PU) Ester Recoil Tubing 6 m

| O.D.<br>(mm) | I.D.<br>(mm) |  | Total Closed Length<br>(mm) | O.D. of Coil<br>(mm) | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-----------------------------|----------------------|-------|
| 8            | 5            | 1462U08 04                                                                          | 1230                        | 42                   | 0.192 |
| 10           | 7            | 1462U10 04                                                                          | 1140                        | 62                   | 1.246 |
| 12           | 8            | 1462U12 04                                                                          | 1190                        | 65                   | 0.280 |

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

# PU Recoil Tubing

## 1445U..R Recoil Polyurethane (PU) Ether Tubing 3 m, Male BSPP Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPP<br>Thread |  | Total Closed<br>Length<br>(mm) | O.D. of<br>Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|--------------------------------|-------------------------|-------|
| 8            | 5            | G1/4           | <a href="#">1445U08R04 13</a>                                                     | 819                            | 40                      | 0.170 |
| 3/8"         | 1/4"         | G1/4           | <a href="#">1445U60R04 13</a>                                                     | 769                            | 60                      | 0.230 |
| 12           | 8            | G3/8           | <a href="#">1445U12R04 17</a>                                                     | 789                            | 80                      | 0.310 |
| 14           | 9.5          | G3/8           | <a href="#">1445U14R04 17</a>                                                     | 759                            | 110                     | 0.460 |

## 1441U..R Recoil Polyurethane (PU) Ether Tubing 4 m, Male BSPP Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPP<br>Thread |  | Total Closed<br>Length<br>(mm) | O.D. of<br>Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|--------------------------------|-------------------------|-------|
| 8            | 5            | G1/4           | <a href="#">1441U08R04 13</a>                                                     | 889                            | 40                      | 0.220 |
| 3/8"         | 1/4"         | G1/4           | <a href="#">1441U60R04 13</a>                                                     | 819                            | 60                      | 0.260 |
| 12           | 8            | G3/8           | <a href="#">1441U12R04 17</a>                                                     | 849                            | 80                      | 0.400 |
| 14           | 9.5          | G3/8           | <a href="#">1441U14R04 17</a>                                                     | 809                            | 110                     | 0.554 |

## 1442U..R Recoil Polyurethane (PU) Ether Tubing 6 m, Male BSPP Fitting

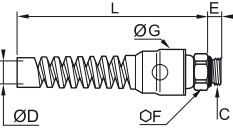
| O.D.<br>(mm) | I.D.<br>(mm) | BSPP<br>Thread |  | Total Closed<br>Length<br>(mm) | O.D. of<br>Coil<br>(mm) | kg    |
|--------------|--------------|----------------|------------------------------------------------------------------------------------|--------------------------------|-------------------------|-------|
| 8            | 5            | G1/4           | <a href="#">1442U08R04 13</a>                                                      | 1029                           | 40                      | 0.340 |
| 3/8"         | 1/4"         | G1/4           | <a href="#">1442U60R04 13</a>                                                      | 929                            | 60                      | 0.360 |
| 12           | 8            | G3/8           | <a href="#">1442U12R04 17</a>                                                      | 969                            | 80                      | 0.530 |
| 14           | 9.5          | G3/8           | <a href="#">1442U14R04 17</a>                                                      | 909                            | 110                     | 0.920 |

## 1447U..R Recoil Polyurethane (PU) Ether Tubing 7.5 m, Male BSPP Fitting

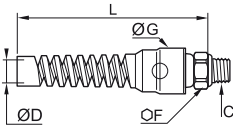
| O.D.<br>(mm) | I.D.<br>(mm) | BSPP<br>Thread |  | Total Closed<br>Length<br>(mm) | O.D. of<br>Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-------------------------------------------------------------------------------------|--------------------------------|-------------------------|-------|
| 8            | 5            | G1/4           | <a href="#">1447U08R04 13</a>                                                       | 1134                           | 40                      | 0.420 |
| 3/8"         | 1/4"         | G1/4           | <a href="#">1447U60R04 13</a>                                                       | 1009                           | 60                      | 0.460 |
| 12           | 8            | G3/8           | <a href="#">1447U12R04 17</a>                                                       | 1059                           | 80                      | 0.600 |
| 14           | 9.5          | G3/8           | <a href="#">1447U14R04 17</a>                                                       | 984                            | 110                     | 1.150 |

# Accessories

## 0694 Push-In Fitting with Protection Spring, Male BSPP Thread

|  | Nickel-plated brass, NBR  | ØD | C    |  | E   | F  | G    | L     | kg    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----|------|-----------------------------------------------------------------------------------|-----|----|------|-------|-------|
|                                                                                   |                                                                                                            | 8  | G1/4 | <a href="#">0694 08 13</a>                                                        | 6.5 | 16 | 24   | 104.5 | 0.067 |
|                                                                                   |                                                                                                            | 10 | G1/4 | <a href="#">0694 10 13</a>                                                        | 6.5 | 18 | 24   | 106.5 | 0.062 |
|                                                                                   |                                                                                                            | 12 | G3/8 | <a href="#">0694 12 17</a>                                                        | 7.5 | 20 | 29.5 | 126   | 0.080 |

## 0695 Push-In Fitting with Protection Spring, Male BSPT Thread

|  | Nickel-plated brass, NBR  | ØD | C    |  | F  | G    | L     | kg    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----|------|-----------------------------------------------------------------------------------|----|------|-------|-------|
|                                                                                   |                                                                                                            | 8  | R1/4 | <a href="#">0695 08 13</a>                                                        | 14 | 24   | 104.5 | 0.055 |
|                                                                                   |                                                                                                            | 10 | R1/4 | <a href="#">0695 10 13</a>                                                        | 18 | 24   | 106.5 | 0.064 |
|                                                                                   |                                                                                                            | 12 | R3/8 | <a href="#">0695 12 17</a>                                                        | 20 | 29.5 | 126   | 0.090 |

# Braided PU Recoil Hose

This recoil hose offers all the advantages of polyurethane, combining the **durability** and **kink resistance** of bulkier braided hoses with great **elasticity** and maximum **flexibility**.

## Product Advantages

- Excellent Mechanical Properties

Unsurpassed resistance to abrasion: 10 times better than rubber, polyamide and non-braided polyurethane  
Excellent flexibility and coil memory: minimizes work fatigue  
Highly kink and crush-resistant  
Silicone-free
- Ready-to-Use

Pre-assembled threaded fittings  
Tube ends protected with a plastic spring  
Lightweight for easy handling  
3 lengths available  
Translucent blue: visibility of the fluid



Applications

Machine Tools  
Industrial Assembly  
Pneumatics  
In-Plant Automotive Workshops

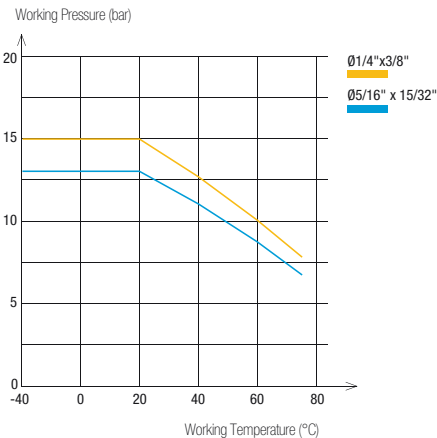
## Technical Characteristics

|                     |                                                   |
|---------------------|---------------------------------------------------|
| Compatible Fluids   | Compressed air<br>Other fluids: please consult us |
| Working Pressure    | 0 to 15 bar                                       |
| Working Temperature | -40°C to +75°C                                    |
| Component Materials | Polyurethane (85 shore A)                         |

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

|                                                                                 |
|---------------------------------------------------------------------------------|
| Regulations                                                                     |
| DI: 97/23/EC(PED)<br>RG: 1907/2006 (REACH)<br>DI: 2002/95/EC (RoHS), 2011/65/EC |

## Performance of Braided PU Recoil Hose



| Hose O.D.      | Hose I.D.     | Hose I.D. Tolerance |
|----------------|---------------|---------------------|
| 3/8"<br>15/32" | 1/4"<br>5/16" | +/- 0.005"          |

Connected to Parker Legris push-in fittings, the calibration of PU tubing ensures perfect sealing.

Packaging

Plastic bags: 3 m to 7.5 m

To calculate burst pressure, the values in this graph should be multiplied by 4.

## 1445U..E Braided Polyurethane (PU) Recoil Hose 3 m, Male BSPP Fitting

| Ø ext.<br>(mm) | I.D.<br>(mm) | BSPP<br>Thread |  | Total Closed<br>Length<br>(mm) | O.D. of<br>Coil<br>(mm) | kg    |
|----------------|--------------|----------------|-----------------------------------------------------------------------------------|--------------------------------|-------------------------|-------|
| 3/8"           | 1/4"         | G1/4           | <a href="#">1445U60E04 13</a>                                                     | 870                            | 42                      | 0.210 |
| 12             | 8            | G3/8           | <a href="#">1445U12E04 17</a>                                                     | 880                            | 55                      | 0.300 |

## 1442U..E Braided Polyurethane (PU) Recoil Hose 6 m, Male BSPP Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPP<br>Thread |  | Total Closed<br>Length<br>(mm) | O.D. of<br>Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|--------------------------------|-------------------------|-------|
| 3/8"         | 1/4"         | G1/4           | <a href="#">1442U60E04 13</a>                                                     | 1140                           | 42                      | 0.420 |
| 12           | 8            | G3/8           | <a href="#">1442U12E04 17</a>                                                     | 1160                           | 55                      | 0.600 |

## 1447U..E Braided Polyurethane (PU) Recoil Hose 7.5 m, Male BSPP Fitting

| O.D.<br>(mm) | I.D.<br>(mm) | BSPP<br>Thread |  | Total Closed<br>Length<br>(mm) | O.D. of<br>Coil<br>(mm) | kg    |
|--------------|--------------|----------------|-----------------------------------------------------------------------------------|--------------------------------|-------------------------|-------|
| 3/8"         | 1/4"         | G1/4           | <a href="#">1447U60E04 13</a>                                                     | 1275                           | 42                      | 0.525 |
| 12           | 8            | G3/8           | <a href="#">1447U12E04 17</a>                                                     | 1300                           | 55                      | 0.750 |

### Related Products

Parker Legris recoil tubing is designed for use with Parker Legris blowguns and couplers.

#### Industrial Blowguns

**Polymer** P. 7-3



**Metal** P. 7-12



#### Couplers

**C 9000** P. 8-7



**Metal** P. 8-18



# PVC Braided Hose

Parker Legris offers two **grades of PVC** which cover a wide range of industrial applications for the **transportation of various fluids**.

## Product Advantages

### Food-Grade PVC

Monograde tubing reinforced with a braided polyester ply  
Flexible: space saving during installation  
Translucent for visual identification:  
• of the fluid  
• of inner cleanliness  
• of fluid flow  
Food-grade, without phthalates  
Silicone-free

### Industrial PVC

Tubing with a braided polyester ply between 2 grades of PVC  
Resistant to abrasion, impact and crushing  
Increased durability  
Lightweight and easy-to-use  
Silicone-free



**Applications**  
Robotics  
In-Plant Automotive  
Pneumatics  
Semi-Conductors  
Textile  
Packaging  
Vacuum

## Technical Characteristics

| Hose                | Food-Grade PVC                                                  | Industrial PVC                                         |
|---------------------|-----------------------------------------------------------------|--------------------------------------------------------|
| Compatible Fluids   | Compressed air, other fluids                                    | Compressed air                                         |
| Working Pressure    | 0 to 15 bar                                                     | 0 to 15 bar                                            |
| Working Temperature | -20°C to +70°C                                                  | -25°C to +60°C                                         |
| Component Materials | Translucent food-grade PVC, phthalate-free with polyester braid | Industrial blue PVC, multi-layer, with polyester braid |

### Regulations

#### Food-Grade PVC

FDA: 21 CFR 177.1550  
RG: 1907/2006 (REACH)  
RG: 1935/2004  
DI: 2002/95/EC (RoHS), 2011/65/EC  
DI: 2007/10/EC (phthalates)

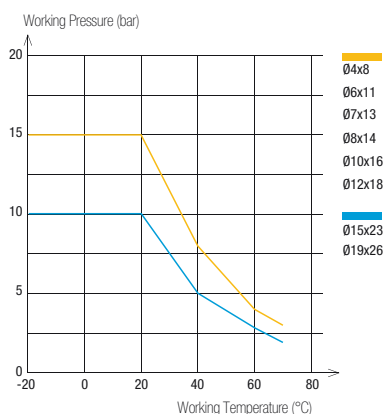
#### Industrial PVC

DI: 97/23/CE (PED)  
RG: 1907/2006 (REACH)  
DI: 2002/95/EC (RoHS), 2011/65/EC

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

### Hose Performance

#### Food-Grade PVC



| Hose Type      | Hose I.D.   | Hose I.D. Tolerance |
|----------------|-------------|---------------------|
| Food-Grade PVC | 4 to 6 mm   | +0.5 / -0.5         |
|                | 7 to 12 mm  | +0.6 / -0.6         |
|                | 15 to 19 mm | +0.8 / -0.8         |
| Industrial PVC | 6.3 mm      | +0.3 / -0.3         |
|                | 9 mm        | +0.5 / -0.5         |
|                | 12.7 mm     | +0.6 / -0.6         |

#### Packaging

Reel: 25 m, 50 m  
(with protective plastic bag)

To calculate burst pressure, the values in these graphs should be multiplied by 3.

## 1025V

### Food-Grade Braided PVC Hose

Reel 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  | <br>Clear | kg    |
|--------------|--------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------|
| 8            | 4            | 10                                                                                | <a href="#">1025V08 00 04</a>                                                              | 1.260 |
| 11           | 6            | 12                                                                                | <a href="#">1025V11 00 06</a>                                                              | 2.253 |
| 13           | 7            | 14                                                                                | <a href="#">1025V13 00 07</a>                                                              | 3.182 |
| 14           | 8            | 16                                                                                | <a href="#">1025V14 00 08</a>                                                              | 3.434 |
| 16           | 10           | 25                                                                                | <a href="#">1025V16 00 10</a>                                                              | 3.800 |
| 18           | 12           | 30                                                                                | <a href="#">1025V18 00 12</a>                                                              | 4.423 |
| 23           | 15           | 40                                                                                | <a href="#">1025V23 00 15</a>                                                              | 7.300 |
| 26           | 19           | 60                                                                                | <a href="#">1025V26 00 19</a>                                                              | 7.300 |

## 1050V

### Food-Grade Braided PVC Hose

Reel 50 m

| O.D.<br>(mm) | I.D.<br>(mm) |  | <br>Clear | kg     |
|--------------|--------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------|
| 8            | 4            | 10                                                                                | <a href="#">1050V08 00 04</a>                                                              | 2.690  |
| 11           | 6            | 12                                                                                | <a href="#">1050V11 00 06</a>                                                              | 4.200  |
| 13           | 7            | 14                                                                                | <a href="#">1050V13 00 07</a>                                                              | 5.966  |
| 14           | 8            | 16                                                                                | <a href="#">1050V14 00 08</a>                                                              | 6.058  |
| 16           | 10           | 25                                                                                | <a href="#">1050V16 00 10</a>                                                              | 6.400  |
| 18           | 12           | 30                                                                                | <a href="#">1050V18 00 12</a>                                                              | 8.250  |
| 23           | 15           | 40                                                                                | <a href="#">1050V23 00 15</a>                                                              | 14.600 |
| 26           | 19           | 60                                                                                | <a href="#">1050V26 00 19</a>                                                              | 14.600 |

## 1025V..C

### Industrial-Grade Braided PVC Hose

Reel 25 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 11           | 6            | 45                                                                                  | <a href="#">1025V11C04 06</a>                                                       | 2.175 |
| 14           | 9            | 63                                                                                  | <a href="#">1025V14C04 09</a>                                                       | 3.250 |
| 19           | 13           | 89                                                                                  | <a href="#">1025V19C04 13</a>                                                       | 4.975 |

## 1050V..C

### Industrial-Grade Braided PVC Hose

Reel 50 m

| O.D.<br>(mm) | I.D.<br>(mm) |  |  | kg    |
|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
| 11           | 6            | 45                                                                                  | <a href="#">1050V11C04 06</a>                                                       | 4.350 |
| 14           | 9            | 63                                                                                  | <a href="#">1050V14C04 09</a>                                                       | 6.500 |
| 19           | 13           | 89                                                                                  | <a href="#">1050V19C04 13</a>                                                       | 9.950 |

## Related Products

PVC tubing is designed for use with Parker Legris barb connectors and couplers.

### Barb Connectors

**0191** P. 9-16



**0123** P. 9-10



### Couplers

**C 9000** P. 8-7



**Metal** P. 8-18





# Self-Fastening NBR Hose

Parker Legris self-fastening hose is designed according to **CNOMO E07.21.115N\***. This range of hose should be used with Legris barb connectors and provides both the **reliability** of self-fastening technology and **simplicity of installation**.

## Product Advantages

### Exceptional Endurance

- Unsurpassed resistance to repetitive flexing
- Protection against spark and flame
- Abrasion and crush-resistant
- UV-resistant

### Ideal for In-Plant Automotive

- Excellent ozone resistance
- Perfect for cooling systems
- Maximum flow with no pressure drop
- 4 colours for immediate circuit identification
- Silicone-free

### Ready-To-Use

- No lubrication, additive (grease, oil, ...etc), or preparation time required
- To connect: push the hose fully home against the fitting shoulder
- To disassemble: cut the hose on the barbed side of the fitting



In-Plant Automotive  
Cooling  
Welding Robots  
Pneumatics  
Industrial Machinery

Applications

## Technical Characteristics

|                     |                                          |
|---------------------|------------------------------------------|
| Compatible Fluids   | Coolants, compressed air                 |
| Working Pressure    | 0 to 16 bar                              |
| Working Temperature | -20°C to +100°C                          |
| Component Materials | Nitrile butadiene rubber & textile braid |

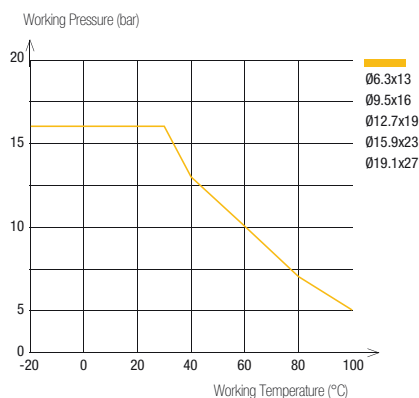
### Regulations

NFT 46-019-1  
NFT 47 252  
RG: 1907/2006 (REACH)  
DI: 2002/95/EC (RoHS), 2011/65/EC  
CNOMO: E07.21.115N

**\*CAUTION:** CNOMO certification is valid exclusively for red and green hose, only when connected to Legris' CNOMO-certified barb connectors 0132, 0133 and 0134.

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

### Performance of Self-Fastening NBR Hose



| DN mm<br>CNOMO | DN<br>(standard) | Hose I.D.<br>(mm) | Hose I.D.<br>Tolerance<br>(mm) |
|----------------|------------------|-------------------|--------------------------------|
| 6              | 1/4              | 6.3 mm            | +0.4 / -0.4                    |
| 8              | 3/8              | 9.5 mm            | +0.5 / -0.5                    |
| 12             | 1/2              | 12.7 mm           | +0.6 / -0.6                    |
| 16             | 5/8              | 15.9 mm           |                                |
| 20             | 3/4              | 19.1 mm           |                                |

### Packaging

Drum: 20 m, 40 m, 80 m, 100 m

Use with water: maximum temperature 100°C  
Use with air: maximum temperature 70°C

To calculate burst pressure, the values in this graph should be multiplied by 3.

## 1040H Braided Self-Fastening NBR Hose

Drum 40 m

| DN  | O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg     |
|-----|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
| 1/4 | 13           | 6.3          | 60                                                                                | 1040H56 01                                                                        | 1040H56 02                                                                        | 1040H56 03                                                                         | 1040H56 04                                                                          | 7.000  |
| 3/8 | 16           | 9.5          | 70                                                                                | 1040H60 01                                                                        | 1040H60 02                                                                        | 1040H60 03                                                                         | 1040H60 04                                                                          | 8.600  |
| 1/2 | 19           | 12.7         | 120                                                                               | 1040H62 01                                                                        | 1040H62 02                                                                        | 1040H62 03                                                                         | 1040H62 04                                                                          | 9.450  |
| 5/8 | 23           | 15.9         | 140                                                                               | 1040H66 01                                                                        | 1040H66 02                                                                        | 1040H66 03                                                                         | 1040H66 04                                                                          | 13.000 |
| 3/4 | 27           | 19.1         | 170                                                                               | 1040H69 01                                                                        | 1040H69 02                                                                        | 1040H69 03                                                                         | 1040H69 04                                                                          | 16.500 |

Also available in 20 m length upon request

## 1080H Braided Self-Fastening NBR Hose

Drum 80 m

| DN  | O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg     |
|-----|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
| 5/8 | 23           | 15.9         | 140                                                                               | 1080H66 01                                                                        | 1080H66 02                                                                        | 1080H66 03                                                                         | 1080H66 04                                                                          | 26.160 |
| 3/4 | 27           | 19.1         | 170                                                                               | 1080H69 01                                                                        | 1080H69 02                                                                        | 1080H69 03                                                                         | 1080H69 04                                                                          | 33.160 |

Also available in 20 m length upon request

## 1100H Braided Self-Fastening NBR Hose

Drum 100 m

| DN  | O.D.<br>(mm) | I.D.<br>(mm) |  |  |  |  |  | kg     |
|-----|--------------|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
| 1/4 | 13           | 6.3          | 60                                                                                | 1100H56 01                                                                        | 1100H56 02                                                                        | 1100H56 03                                                                         | 1100H56 04                                                                          | 14.660 |
| 3/8 | 16           | 9.5          | 70                                                                                | 1100H60 01                                                                        | 1100H60 02                                                                        | 1100H60 03                                                                         | 1100H60 04                                                                          | 20.600 |
| 1/2 | 19           | 12.7         | 120                                                                               | 1100H62 01                                                                        | 1100H62 02                                                                        | 1100H62 03                                                                         | 1100H62 04                                                                          | 23.000 |

Also available in 20 m length upon request

## Related Products

Self-fastening hose is designed for use with Parker Legris brass barb connectors (CNOMO-certified).

### Barb Connectors

**0132** **0133 .. 39** **0134**

P. 5-25 P. 5-25 P. 5-25



### Installation Tool

**Tool Part Number:**  
**0650 00 00 05**

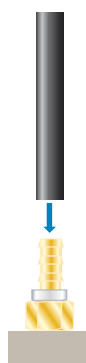
This automatic installation tool reduces the effort required to connect self-fastening hose onto a barb connector.



### Tube Cutting and Positioning

Cut the tube at a right angle and position the barb connector on the mounting tool.

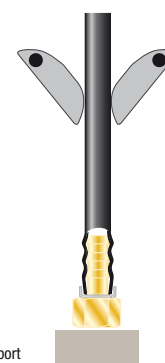
Barb connector support



### Press-Fitting the Tube

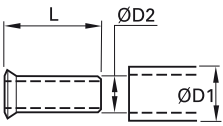
Activate the press-fit tool; connection is complete when the tube is fully home on the barb connector. This tool has been designed for use with 5 different diameters and is easy to operate.

Barb connector support



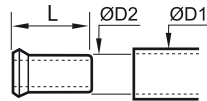


## 1827 Stainless Steel Tube Support for Fluoropolymer Tubing

|  | Stainless steel 316L |  | ØD1 | ØD2 |  | L    | kg    |
|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------|------|-------|
|                                                                                   |                      |                                                                                   | 6   | 4   | 1827 06 00                                                                        | 11.5 | 0.001 |
|                                                                                   |                      |                                                                                   | 8   | 6   | 1827 08 00                                                                        | 14   | 0.001 |
|                                                                                   |                      |                                                                                   | 10  | 8   | 1827 10 00                                                                        | 18   | 0.001 |
|                                                                                   |                      |                                                                                   | 12  | 9   | 1827 12 09                                                                        | 18   | 0.001 |
|                                                                                   |                      |                                                                                   | 12  | 10  | 1827 12 00                                                                        | 18   | 0.001 |
|                                                                                   |                      |                                                                                   | 16  | 14  | 1827 16 00                                                                        | 18   | 0.002 |

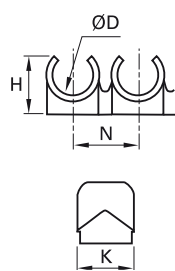
This tube support is necessary when using fluoropolymer FEP tubing at all temperatures compatible with the fitting/tubing assembly.

## 0127 Brass Tube Support for Polymer Tubing

|  | Brass |  | ØD1 | ØD2 |  | L    | kg    |
|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------|------|-------|
|                                                                                   |       |                                                                                   | 4   | 2   | 0127 04 00                                                                        | 11   | 0.001 |
|                                                                                   |       |                                                                                   | 4   | 2.7 | 0127 04 27                                                                        | 11   | 0.001 |
|                                                                                   |       |                                                                                   | 5   | 3   | 0127 05 03                                                                        | 11   | 0.001 |
|                                                                                   |       |                                                                                   | 6   | 3.3 | 0127 05 00                                                                        | 11.5 | 0.009 |
|                                                                                   |       |                                                                                   | 6   | 4   | 0127 06 00                                                                        | 11.5 | 0.001 |
|                                                                                   |       |                                                                                   | 8   | 5.5 | 0127 08 55                                                                        | 14   | 0.001 |
|                                                                                   |       |                                                                                   | 8   | 6   | 0127 08 00                                                                        | 14   | 0.001 |
|                                                                                   |       |                                                                                   | 10  | 7   | 0127 10 07                                                                        | 18   | 0.001 |
|                                                                                   |       |                                                                                   | 10  | 7.5 | 0127 10 75                                                                        | 18   | 0.001 |
|                                                                                   |       |                                                                                   | 10  | 8   | 0127 10 00                                                                        | 18   | 0.002 |
|                                                                                   |       |                                                                                   | 12  | 8   | 0127 12 08                                                                        | 18   | 0.002 |
|                                                                                   |       |                                                                                   | 12  | 9   | 0127 12 09                                                                        | 18   | 0.002 |
|                                                                                   |       |                                                                                   | 12  | 10  | 0127 12 00                                                                        | 18   | 0.001 |
|                                                                                   |       |                                                                                   | 14  | 11  | 0127 14 11                                                                        | 18   | 0.002 |
|                                                                                   |       |                                                                                   | 14  | 12  | 0127 14 00                                                                        | 18   | 0.002 |
|                                                                                   |       |                                                                                   | 15  | 12  | 0127 15 12                                                                        | 18   | 0.002 |
|                                                                                   |       |                                                                                   | 16  | 13  | 0127 16 13                                                                        | 18   | 0.003 |
|                                                                                   |       |                                                                                   | 18  | 14  | 0127 18 14                                                                        | 19.5 | 0.003 |
|                                                                                   |       |                                                                                   | 20  | 15  | 0127 20 15                                                                        | 20.5 | 0.003 |
|                                                                                   |       |                                                                                   | 22  | 16  | 0127 22 16                                                                        | 21   | 0.004 |
|                                                                                   |       |                                                                                   | 25  | 19  | 0127 25 19                                                                        | 25   | 0.007 |

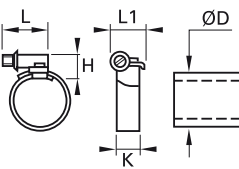
This tube support guarantees good gripping, at high temperatures and pressures, by preventing collapsing of the tube.

## CLIP Clip Strip for Tubing and Fittings

|  | Technical polymer |  | ØD |  | H    | K    | N    | kg    |
|-------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|------|------|------|-------|
|                                                                                     |                   |                                                                                     | 4  | CLIP 04 00                                                                          | 9    | 13.5 | 10.5 | 0.007 |
|                                                                                     |                   |                                                                                     | 6  | CLIP 06 00                                                                          | 10.5 | 13   | 10.5 | 0.004 |
|                                                                                     |                   |                                                                                     | 8  | CLIP 08 00                                                                          | 12.5 | 10.5 | 12   | 0.007 |
|                                                                                     |                   |                                                                                     | 10 | CLIP 10 00                                                                          | 14   | 12   | 15   | 0.005 |
|                                                                                     |                   |                                                                                     | 12 | CLIP 12 00                                                                          | 16.5 | 14   | 16.5 | 0.009 |
|                                                                                     |                   |                                                                                     | 14 | CLIP 14 00                                                                          | 18   | 16   | 20.5 | 0.008 |

Delivered in boxes of 10 strips of the same diameter (complete with self-tapping screws of 95 mm length)  
These clips can be used with metric or inch tubing.

## 0697 Clip for Braided Tubing

|  | Treated steel |  | ØD    |  | H  | K | L  | L1 | kg    |
|-------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|----|---|----|----|-------|
|                                                                                     |               |                                                                                     | 6-11  | 0697 00 01                                                                          | 7  | 5 | 12 | 7  | 0.004 |
|                                                                                     |               |                                                                                     | 10-16 | 0697 00 02                                                                          | 12 | 9 | 21 | 13 | 0.011 |
|                                                                                     |               |                                                                                     | 12-22 | 0697 00 03                                                                          | 12 | 9 | 21 | 13 | 0.015 |
|                                                                                     |               |                                                                                     | 16-27 | 0697 00 04                                                                          | 12 | 9 | 24 | 13 | 0.015 |
|                                                                                     |               |                                                                                     | 20-32 | 0697 00 05                                                                          | 12 | 9 | 24 | 13 | 0.016 |

# Chemical Compatibility Chart

|              |   |                 |   |
|--------------|---|-----------------|---|
| Recommended  | 1 | Not Recommended | 3 |
| Satisfactory | 2 | Not Available   | - |

| Substances                                 | PA | PU ether | PU ester | Low Density PE | APE | FEP/PFA |
|--------------------------------------------|----|----------|----------|----------------|-----|---------|
| Acetaldehyde                               | 1  | 1        | 3        | 3              | 2   | 1       |
| Acetone                                    | 1  | 3        | 1        | 2              | 1   | 1       |
| Acetylene                                  | -  | -        | -        | 3              | -   | 1       |
| Acid, chromic up to 10%                    | 2  | 3        | 3        | 3              | -   | 1       |
| Acid, citric                               | 1  | 1        | 1        | 1              | 1   | 1       |
| Acid, formic up to 10%                     | -  | -        | -        | 3              | -   | 1       |
| Acid, hydrochloric up to 10%               | 3  | 1        | 3        | 1              | 1   | 1       |
| Acid, phosphoric up to 50%                 |    | 3        | 3        | 1              | 1   | 1       |
| Acid, sulphuric up to 10%                  | 3  | 1        | 1        | 1              | 1   | 1       |
| Acid, acetic                               | 3  | 1        | 3        | 1              | 1   | 1       |
| Acid, nitric                               | 2  | 1        | 3        | 2              | -   | 1       |
| Ammonia and gaseous                        | -  | 1        | 3        | 2              | 1   | 1       |
| Ammonium chloride up to 10%                | -  | 1        | 1        | 1              | 1   | 1       |
| Benzene                                    | 1  | 3        | 3        | 3              | 2   | 1       |
| Bromine                                    | 3  | -        | -        | 2              | 3   | 1       |
| Butane                                     | -  | 1        | 1        |                | 1   | 1       |
| Butyl acetate                              | 1  | 3        | 2        | 2              |     | 1       |
| Butylic and butyl alcohol                  | 1  | 3        | 2        | 1              | 1   | 1       |
| Calcium choride                            | 1  | -        | -        | 2              | 1   | 1       |
| Carbon tetrachloride (sodium hypochlorite) | 2  | 2        | 2        |                | 3   | 1       |
| Chloroform                                 | 3  | 3        | 3        | 2              | 2   | 1       |
| Compressed air                             | -  | 1        | 1        | 1              | 1   | 1       |
| Copper sulphate                            | -  | -        | -        | -              | -   | 1       |
| Cyclohexanone                              | 1  | 3        | 3        | 3              |     | 1       |
| Ethanol                                    | 1  | 2        | 2        |                |     | 1       |
| Ethyl acetate                              | 1  | 2        | 2        | 1              | 1   | 1       |
| Ethyl alcohol                              | 1  | -        | -        | 2              | 1   | 1       |
| Ethylene oxide                             | -  | -        | -        | 3              | 2   | 1       |
| Formalin (formaldehyde)                    | 1  | 1        | 2        | 1              | 1   | 1       |
| Freon 12-22                                | 2  | 2        | 2        | -              | -   | 1       |
| Glucose                                    | -  | 1        | 2        | 1              | 1   | 1       |
| Glycol (methyl)                            | -  | 3        | 3        | -              | -   | 1       |
| Glycol (without H <sub>2</sub> O)          | -  | 1        | 1        | 1              | 1   | 1       |
| Hexachloride                               | -  | 2        | 1        | -              | -   | 1       |
| Hydrogen                                   | 1  | 1        | 2        | -              | 1   | 1       |
| Hydrogen peroxide (perydrol)               | 3  | 2        | 2        | -              | 1   | 1       |
| Kerosene                                   | 1  | 1        | 2        | -              | 3   | 1       |
| Magnesium chloride (up to 30%)             | 1  | 1        | 2        | -              | 1   | 1       |
| Methane                                    | 1  | 1        | 1        | -              | -   | 1       |
| Methanol                                   | 2  | 1        | 1        | -              | -   | 1       |
| Methyl acetate                             | -  | 2        | 2        | -              | -   | 1       |
| Methyl alcohol (pure)                      | 1  | 1        | 1        | -              | 2   | 1       |

# Chemical Compatibility Chart

| Substances                           | PA | PU ether | PU ester | LDPE | APE | FEP/PFA |
|--------------------------------------|----|----------|----------|------|-----|---------|
| Methyl bromide                       | 2  | -        | -        | -    | -   | 1       |
| Methyl chloride                      | 2  | -        | -        | -    | -   | 1       |
| Methyl ethyl ketone                  | 1  | 3        | 3        | -    | -   | 1       |
| Methyl isobutyl ketone               | 1  | 3        | 3        | -    | -   | 1       |
| Oils (ASTM class A)                  | 1  | 1        | 1        | -    | -   | 1       |
| Oils (ASTM class B)                  | 1  | 2        | 1        | -    | -   | 1       |
| Oils (ASTM class C)                  | 1  | 2        | 1        | -    | -   | 1       |
| Oils (ASTM class 1)                  | 1  | 1        | 1        | -    | -   | 1       |
| Oils (ASTM class 2)                  | 1  | 1        | 1        | -    | -   | 1       |
| Oils (ASTM class 3)                  | 1  | 1        | 1        | -    | -   | 1       |
| Oils (cutting)                       | 1  | 1        | 1        | -    | 3   | 1       |
| Oils (paraffin)                      | 1  | 1        | 2        | -    | -   | 1       |
| Oils, engine (diesel)                | 1  | 2        | 2        | 2    | 2   | 1       |
| Oxygen                               | 1  | 1        | 1        | 1    | 1   | 1       |
| Ozone                                | 3  | 2        | 2        | -    | 3   | 1       |
| Perchlorate ethylene                 | 1  | 3        | 3        | -    | -   | 1       |
| Petrol, with up to 40% aromatics     | 3  | 3        | 2        | -    | 3   | 1       |
| Petrol, with more than 40% aromatics | 1  | 3        | 3        | -    | 3   | 1       |
| Phenols                              | 1  | 3        | 3        | -    | -   | 1       |
| Potash                               | 1  | 2        | 3        | -    | -   | 1       |
| Potassium chloride up to 40%         | -  | 1        | 2        | -    | -   | 1       |
| Potassium hydroxide                  | 1  | -        | -        | -    | 1   | 1       |
| Potassium manganate 5%               | 1  | 3        | 2        | -    | 1   | 1       |
| Potassium sulphate                   | 1  | -        | -        | -    | -   | 1       |
| Propane                              | 1  | 1        | 1        | -    | -   | 1       |
| Soda 50%                             | 1  | 1        | 3        | -    | 1   | 1       |
| Sodium carbonate                     | 1  | -        | -        | -    | 1   | 1       |
| Sodium chloride                      | -  | 1        | 2        | -    | -   | 1       |
| Sodium hydroxide (caustic soda)      | -  | 1        | 2        | -    | 1   | 1       |
| Sodium hypochlorite (bleach)         | 1  | 1        | 3        | -    | -   | 1       |
| Sulphurous anhydride                 | 1  | -        | -        | -    | -   | 1       |
| Tetrachloroethylene                  | 1  | 2        | 2        | -    | -   | 1       |
| Toluene                              | 1  | 2        | 2        | 3    | 3   | 1       |
| Tributylphosphate                    | 1  | -        | -        | -    | -   | 1       |
| Trichlorethylene                     | 1  | 3        | 3        | -    | -   | 1       |
| Water (distilled, deionised)         | -  | 1        | 3        | 2    | 1   | 1       |
| Water (drinking, food)               | 1  | 1        | 3        | 1    | 1   | 1       |
| Water (industrial)                   | 1  | 1        | 3        | 1    | 1   | 1       |
| Water (sea)                          | 2  | 1        | 3        | 1    | 1   | 1       |
| Xylem                                | 1  | 2        | 2        | -    | -   | 1       |
| Zinc chloride                        | 1  | 1        | 1        | -    | -   | 1       |

For other fluids, concentrations or special implementation, please contact us.