

# 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



Packaging  
Tooling  
Compressed Air  
Motion Technologies  
Robotics  
Industrial Machinery

Applications

## 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/EU  
DI: 97/23/EC (PED)  
RG: 19/77/2006 (REACH)

#### Transportation

Chemical performance and resistance tested according to  
DN 74324-1 / DN 73573 / ISO 7628

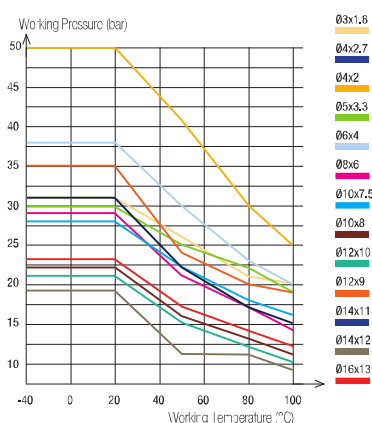
### Packaging

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

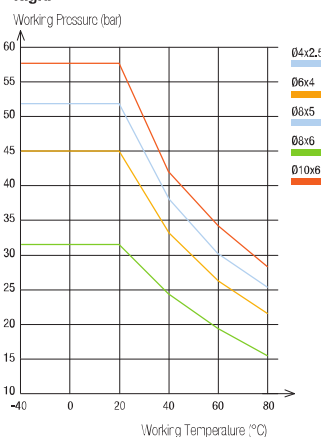
Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### 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) |  |  |  |  |  |  |  |  | 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) |  |  |  |  |  |  |  |  | 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) |  |  |  |  |  |  |  |  | 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) |  |  |  |  |  |  |  |  | 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                                                                                  | <a href="#">1025L04 01 25</a> | 0.190 |
| 6            | 4            | 45                                                                                  | <a href="#">1025L06 01</a>    | 0.400 |
| 8            | 5            | 70                                                                                  | <a href="#">1025L08 01 05</a> | 0.760 |
| 8            | 6            | 65                                                                                  | <a href="#">1025L08 01</a>    | 0.760 |
| 10           | 6            | 85                                                                                  | <a href="#">1025L10 01 06</a> | 1.330 |

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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

