

# 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)  |

### Regulations

#### Railway

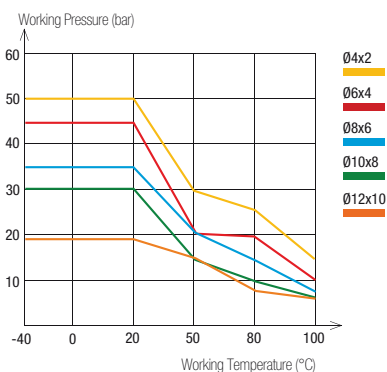
Pr EN 45545-2: HL3, R22, R24, R25  
NF F16101: I3 F2,  
DIN 5510-2: S4, SR2, ST2  
ISO 4892

#### Industrial

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

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 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. (mm) | I.D. (mm) |  |  |  |  |  |  | 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. (mm) | I.D. (mm) |  |  |  |  |  |  | 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. (mm) | I.D. (mm) |  |  |  |  |  |  | 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. (mm) | I.D. (mm) |  |  |  |  |  |  | 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°** 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    **Brass Tube Support** P. 5-5

