

PA Tubing



PA tube is available in 2 grades: semi-rigid with a proven and durable offer thanks to its mechanical properties and rigid with better performance in terms of working pressure.

Ø metric:
3 to 16 mm

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 58 bar
Working Temperature	-40°C to +100°C	-40°C to +80°C
Component Materials	Polyamide (62 shore D)	Polyamide (69 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

Industrial:

- RoHS
- PED
- REACH

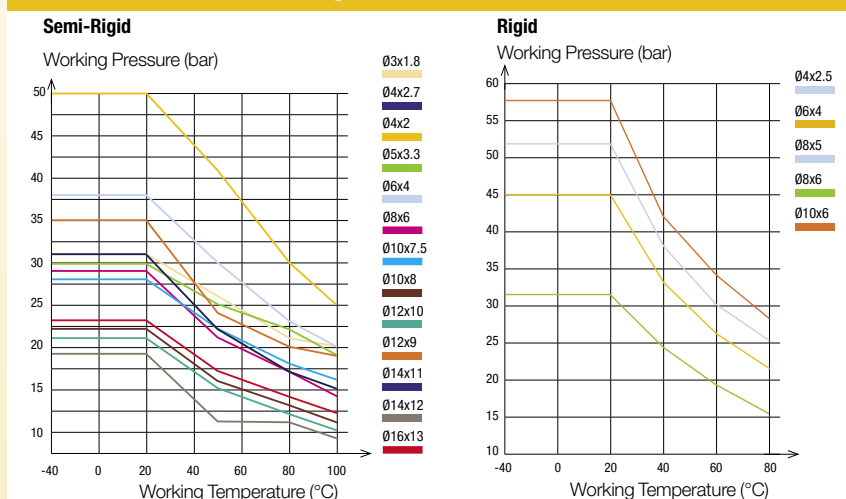
Transportation:

- Chemical performance and resistance tested according to DIN 74324

Advantages

- Chemical stability
- Marking on the tube of the remaining length.
- Large color panel for circuit identification

Performance of PA Tubing



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

ØD ext.	ØD int.										Kg
3	1.8	10	1025P03 00 18					1025P03 04 18			0.200
4	2	15	1025P04 00	1025P04 01	1025P04 02	1025P04 03	1025P04 04	1025P04 05			0.318
	2.7	15	1025P04 00 27	1025P04 01 27	1025P04 02 27	1025P04 03 27	1025P04 04 27	1025P04 05 27	1025P04 06 27		0.354
5	3.3	25	1025P05 00 33	1025P05 01 33				1025P05 04 33			0.420
6	4	20	1025P06 00	1025P06 01	1025P06 02	1025P06 03	1025P06 04	1025P06 05	1025P06 06		0.540
8	6	35	1025P08 00	1025P08 01	1025P08 02	1025P08 03	1025P08 04	1025P08 05	1025P08 06		0.790
10	7.5	40	1025P10 00 75	1025P10 01 75				1025P10 04 75			1.135
	8	50	1025P10 00	1025P10 01	1025P10 02	1025P10 03	1025P10 04	1025P10 05	1025P10 06		0.980
12	9	50	1025P12 00 09	1025P12 01 09				1025P12 04 09			1.345
	10	95	1025P12 00	1025P12 01			1025P12 04	1025P12 05			1.769
14	11	85	1025P14 00 11	1025P14 01 11				1025P14 04 11			1.960
	12	120	1025P14 00	1025P14 01			1025P14 04				2.226
16	13	110	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

ØD ext.	ØD int.									Kg
4	2	15	1100P04 00	1100P04 01	1100P04 02	1100P04 03	1100P04 04	1100P04 05	1100P04 06	0.893
	2.7	15	1100P04 00 27	1100P04 01 27	1100P04 02 27	1100P04 03 27	1100P04 04 27	1100P04 05 27	1100P04 06 27	1.152
5	3.3	25	1100P05 00 33				1100P05 04 33			1.274
6	4	20	1100P06 00	1100P06 01	1100P06 02	1100P06 03	1100P06 04	1100P06 05	1100P06 06	1.799
8	6	35	1100P08 00	1100P08 01	1100P08 02	1100P08 03	1100P08 04	1100P08 05	1100P08 06	2.560
10	7.5	40	1100P10 00 75	1100P10 01 75			1100P10 04 75			3.430
	8	50	1100P10 00	1100P10 01	1100P10 02	1100P10 03	1100P10 04	1100P10 05		4.000
12	9	50	1100P12 00 09	1100P12 01 09			1100P12 04 09			5.052
	10	95	1100P12 00	1100P12 01			1100P12 04		1100P12 06	5.600
14	11	85	1100P14 00 11	1100P14 01 11			1100P14 04 11			4.800
	12	120	1100P14 00	1100P14 01			1100P14 04			5.200
16	13	110	1100P16 00 13	1100P16 01 13			1100P16 04 13			6.613

Inch version tubing available upon request

2005P Semi-Rigid Polyamide (PA) Tubing

Drum 500 m

ØD ext.	ØD int.								Kg
8	6	35	2005P08 00	2005P08 01	2005P08 02	2005P08 03	2005P08 04	2005P08 05	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

ØD ext.	ØD int.								Kg
4	2.7	15	2010P04 00 27	2010P04 01 27	2010P04 02 27	2010P04 03 27	2010P04 04 27	2010P04 05 27	7.630
6	4	20	2010P06 00	2010P06 01	2010P06 02	2010P06 03	2010P06 04	2010P06 05	16.600

1025L Rigid Polyamide (PA) Tubing

Tubepack® 25 m

ØD ext.	ØD int.			Kg
4	2.5	35	1025L04 01 25	0.192
6	4	45	1025L06 01	0.506
8	5	70	1025L08 01 05	1.040
	6	65	1025L08 01	0.777
10	6	85	1025L10 01 06	1.248

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

Tubing

Semi-Rigid PA



Rigid PA



Push-In Fittings

LF 3000®



LF 3600



LF 3800



LF 6100



Compression Fittings

Brass



Stainless Steel



Ferrules



Fireproof High Resistance PA Tubing



The high-strength fireproof PA tube is designed to resist fire and reduce the spread of toxic fumes. It is designed for demanding embedded or industrial applications, without compromising the pressure / temperature performance of a PA tube..

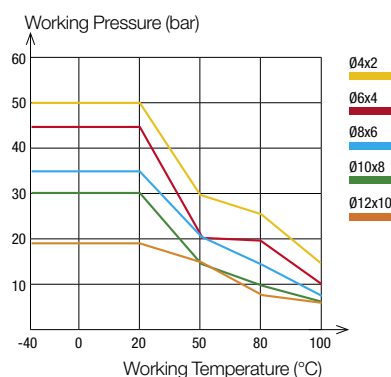
Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air, lubricants
Other fluids: please consult us
- **Working Pressure:** Vacuum to 50 bar
- **Working Temperature:** -40°C to +100°C
- **Component Materials:** 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).

Performance



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

Regulations

- | | |
|--|---|
| Railway:
<ul style="list-style-type: none"> • EN 45545-2 | Industrial:
<ul style="list-style-type: none"> • PED • RoHS • REACH • UL94-V0 (fire resistance) |
|--|---|

Advantages

- Resistant to UV, high pressure / high temperature
- Spark and flame resistant: self-extinguishing
- Non-toxic combustion gases, low smoke generation
- Alternative to PVC-coated PA tubing: no stripping tools, no risk of damaging tube

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

Packaging
Tubepack®: 100 m

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

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

Tubepack® 100 m

ØD ext.	ØD int.	ØD R	white			Kg
4	2	17	1100P04R00	1100P04R01	1100P04R04	1.308
6	4	29	1100P06R00	1100P06R01	1100P06R04	1.308
8	6	40	1100P08R00	1100P08R01	1100P08R04	2.384
10	8	77	1100P10R00	1100P10R01	1100P10R04	2.725
12	10	92	1100P12R00	1100P12R01		3.716

Other colours available on request with a minimum order quantity
Extrusion constraints give an anthracite aspect to the tube but does not affect performance at all.

Related Products

Fireproof high resistance tubing can be connected to various fittings presented in the Fittings section.

Push-In Fittings

LF 3000® LF 3600 LF 3800



LF 6100



Compression Fittings

Brass Brass Tube Support



Anti-Spark PA Tubing with PVC Sheath



The PA anti-spark tubing with PVC sheath is designed to resist flames and sparks, providing superior performance against impact and abrasion. Particularly suitable for equipment in an environment subjected to welding spatter.

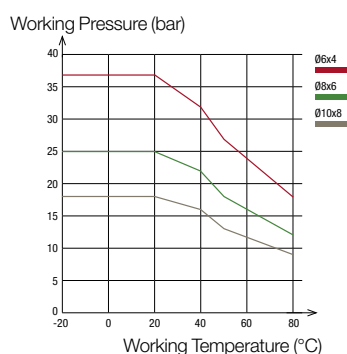
Ø metric:
6 to 10 mm

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

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

Performance



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

Regulations

Industrial:

- RoHS
- PED
- REACH
- UL94 (fire resistance)

Advantages

- Flame retardant PVC layer protecting the inner PA tubing
- Easy stripping: the PVC layer does not adhere to the PA tubing
- Resistant to high pressure/temperature, torsion and crushing
- Compatibility with cooling liquids

O.D.	Tube O.D. Tolerance	PVC Sheath Thickness
PVC Sheath 8 to 12 mm	+0.10 / -0.10	1 mm
Inner Tubing 6 to 10 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)
6 mm	18± 1
8 mm	19± 1
10 mm	24± 1

For other fitting ranges, please consult us.

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

Tubepack® 25 m

ØD ext.	ØD int.	ØD int. (mm)	Part Number	Weight (Kg)
6	4	25	1025P06V01	1.238
8	6	30	1025P08V01	1.704
10	8	55	1025P10V01	2.029

Red colour tubing are available upon request with minimum order quantity.

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

Tubepack® 100 m

ØD ext.	ØD int.	ØD int. (mm)	Part Number	Weight (Kg)
6	4	25	1100P06V02	2.338
8	6	30	1100P08V01	3.767
10	8	55	1100P10V01	4.767

Red colour tubing are available upon request with minimum order quantity.

6000 71 00 Stripping Tool for Anti-Spark Tubing

Technical polymer, stainless steel



Part Number	Weight (Kg)
6000 71 00	0.098