

Parker Product Datasheet



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

Special grade of semi-rigid polyamide manufactured according to our Eco-Design approach.

PART NUMBER: 1025P12 03

COLOR: RED

LENGTH (M): 25.0

TUBE I.D. (MM): 10.0

TUBING MATERIAL: PA

TUBE O.D. (MM): 12.0

PRODUCT OVERVIEW

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.

Features/Benefits:

- 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

Markets:

- Factory Automation
- Miscellaneous Manufacturing
- Packaging
- Machine Tools
- Hydrogen

Applications:

- Standard Pneumatic Machinery Equipment
- Low Pressure Compressed Air Conveying
- Suitable for Vacuum Applications
- Applications Subjected to Mechanical Stress (Rigid PA)
- Hydrogen
- Thermal Management

Technologies:

- PA Tubing
- Polyamide Tubing
- Flexible Tubing
- Flexible Tube
- Semi Rigid Tubing
- Industrial Tubing

Technical Characteristics:

Fluids:

- Semi-Rigid PA: Compressed air, other fluids
- Rigid PA: Compressed air, lubricants, other fluids

Materials:

- Semi-Rigid PA: Bio-based polyamide (68 shore D)

- Rigid PA: Polyamide (65 shore D)

Pressure:

- Semi-Rigid PA: Vacuum to 50 bar

- Rigid PA: Vacuum to 60 bar

Temperature:

- Semi-Rigid PA: -40°C to +100°C

- Rigid PA: -40°C to +80°C

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

Product Types:

- Semi-rigid PA Tubing

- Rigid PA Tubing

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	up to 100 °C See the Graph “Working Pressure/Working Temperature”
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	50 bar
MINIMUM OPERATING TEMPERATURE	-40 °C
SPECIFICATIONS MET	REACH 1907/2006 (Industrial)
SPECIFICATIONS MET	DIN 73378 (for Chemical Performance and Resistance in Transportation)
SPECIFICATIONS MET	RoHS 2002/95/EC, 2011/65/EC (Industrial)
SPECIFICATIONS MET	DIN 74324 -1 (for Chemical Performance and Resistance in Transportation)
SPECIFICATIONS MET	ISO 7674 (for Chemical Performance and Resistance in Transportation)
SPECIFICATIONS MET	PED 97/23/EC (Industrial)
MEDIA	Lubricants (Rigid PA)
MEDIA	Air (Compressed Air: Semi-Rigid PA)
MEDIA	Industrial Fluids (Rigid PA)
MEDIA	Air (Compressed Air: Rigid PA)
MEDIA	Industrial Fluids (Semi-Rigid PA)
APPLICATION	Industrial Machinery
APPLICATION	Packaging
APPLICATION	Compressed Air
APPLICATION	Tooling
APPLICATION	Motion Technologies
APPLICATION	Robotics
VACUUM PRESSURE RATING	755.0 mm-Hg
WEIGHT	1.34 kg/package

NUMBER OF TUBES

1.0