

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: 1025P05 00 33

COLOR: NATURAL

LENGTH (M): 25

TUBE I.D. (MM): 3,3

TUBING MATERIAL: PA

TUBE O.D. (MM): 5

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	DIN 74324 -1 (for Chemical Performance and Resistance in Transportation)
SPECIFICATIONS MET	RoHS 2002/95/EC, 2011/65/EC (Industrial)
SPECIFICATIONS MET	PED 97/23/EC (Industrial)
SPECIFICATIONS MET	REACH 1907/2006 (Industrial)
SPECIFICATIONS MET	DIN 73378 (for Chemical Performance and Resistance in Transportation)
SPECIFICATIONS MET	ISO 7644 (for Chemical Performance and Resistance in Transportation)
MEDIA	Lubricants (Rigid PA)
MEDIA	Air (Compressed Air: Rigid PA)
MEDIA	Industrial Fluids (Rigid PA)
MEDIA	Industrial Fluids (Semi-Rigid PA)
MEDIA	Air (Compressed Air: Semi-Rigid PA)
APPLICATION	Industrial Machinery
APPLICATION	Compressed Air
APPLICATION	Robotics
APPLICATION	Motion Technologies
APPLICATION	Tooling
APPLICATION	Packaging
VACUUM PRESSURE RATING	755 mm-Hg
WEIGHT	0.42 kg/package

NUMBER OF TUBES

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