

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: 1100P08 05

TUBE I.D. (MM): 6

LENGTH (M): 100

TUBE O.D. (MM): 8

TUBING MATERIAL: PA

COLOR: YELLOW

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

VACUUM PRESSURE RATING	755 mm-Hg
MEDIA	Air (Compressed Air: Rigid PA)
SPECIFICATIONS MET	PED 97/23/EC (Industrial)
SPECIFICATIONS MET	REACH 1907/2006 (Industrial)
SPECIFICATIONS MET	DIN 74324 -1 (for Chemical Performance and Resistance in Transportation)
SPECIFICATIONS MET	ISO 7718 (for Chemical Performance and Resistance in Transportation)
NUMBER OF TUBES	1
SPECIFICATIONS MET	DIN 73378 (for Chemical Performance and Resistance in Transportation)
WEIGHT	2.7 kg/package
APPLICATION	Industrial Machinery
MAXIMUM OPERATING PRESSURE	50 bar
APPLICATION	Packaging
APPLICATION	Compressed Air
MEDIA	Industrial Fluids (Rigid PA)
APPLICATION	Motion Technologies
APPLICATION	Tooling
MEDIA	Lubricants (Rigid PA)
APPLICATION	Robotics
MEDIA	Industrial Fluids (Semi-Rigid PA)
MEDIA	Air (Compressed Air: Semi-Rigid PA)
DIVISION	Low Pressure Connectors Europe Division
MINIMUM OPERATING TEMPERATURE	-40 °C
MAXIMUM OPERATING TEMPERATURE	up to 100 °C See the Graph "Working Pressure/Working Temperature"

