

Parker Product Datasheet



Parker Legris offers two types of polyethylene tubing: 'Advanced PE' 50% reticulated and Low Density PE.

Our range of 'Advanced PE' is designed for demanding environments, especially that of water treatment, without compromising operator safety.

PART NUMBER: 1100Y10 00
TUBE O.D. (INCH): na
TUBE I.D. (INCH): na
LENGTH (M): 100.0
TUBE O.D. (MM): 10.0
COLOR: CLEAR
TUBE I.D. (MM): 8.0
LENGTH (INCH): na

PRODUCT OVERVIEW

Parker Legris offers two types of polyethylene tubing: 'Advanced PE' 50% reticulated and Low Density PE.

Our range of 'Advanced PE' is designed for demanding environments, especially that of water treatment, without compromising operator safety.

Features/Benefits:

- Advanced PE

- 50% reticulated material
- Best balance between flexibility and pressure/temperature resistance
- Resistant to a wide range of aggressive chemicals
- Approved for contact with food and beverages
- Silicone-free

- Low Density PE

- Excellent resistance to aggressive and corrosive agents
- Good technical trade-off
- Food-grade material
- Silicone-free

Markets:

- Food and Beverage
- Industrial Chemical Processing
- Oil and Gas
- Water

Applications:

- Aggressive Fluids Conveying
- Applications Subjected to Intensive Cleaning
- Thermal Management

Technologies:

- PE Tubing
- Polyethylene Tubing
- Advanced PE
- Industrial Tubing

Technical Characteristics:

Fluids:

- Advanced PE: Water, beverages and other fluids
- Low Density PE: Industrial fluids

Materials:

- Advanced PE: High quality polyethylene: 50% reticulated PE, 50% low density PE (44 shore D)
- Low Density PE: Low Density Polyethylene (44 shore D)

Pressure:

- Advanced PE: Vacuum to 16 bar
- Low Density PE: Vacuum to 20 bar

Temperature:

- Advanced PE: -40°C to +95°C
- Low Density PE: -40°C to +60°C

Regulations:

Advanced PE Tubing

- FDA: 21 CFR 177.1520
- RG: 1935/2004/EC
- DI: 97/23/EC (PED)
- DI: 2002/95/EC (RoHS), 2011/65/EC
- NSF 51
- RG: 1907/2006 (REACH)

Low Density PE Tubing

- FDA: 21 CFR 177.1520
- DI: 2002/95/EC (RoHS), 2011/65/EC
- DI: 97/23/EC (PED)

TECH SPECIFICATIONS

APPLICATION	Petrochemicals
NUMBER OF TUBES	1.0
WEIGHT	2710.0 kg/package
APPLICATION	Chemicals
VACUUM PRESSURE RATING	755.0 mm-Hg
APPLICATION	Food Processing
APPLICATION	Water
APPLICATION	Water Treatment
MEDIA	Industrial Fluids (Low density PE)
SPECIFICATIONS MET	RoHS
SPECIFICATIONS MET	REACH
DIVISION	Low Pressure Connectors Europe Division
WEIGHT	2.710 kg/package
VACUUM PRESSURE RATING	755 mm-Hg
MAXIMUM OPERATING TEMPERATURE	60 °C
APPLICATION	Beverage
MINIMUM OPERATING TEMPERATURE	-40 °C
SPECIFICATIONS MET	FDA
TUBE MATERIAL	Polyethylene (PE) Low Density, FDA
MEDIA	Water (Advanced PE)
MEDIA	Beverages (Advanced PE)
MEDIA	Other Fluids (Advanced PE)
NUMBER OF TUBES	1
MAXIMUM OPERATING PRESSURE	20 barg