

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: 1100Y12 00

COLOR: CLEAR

LENGTH (M): 100.0

LENGTH (INCH): na

TUBE I.D. (MM): 9.0

TUBE O.D. (MM): 12.0

TUBE O.D. (INCH): na

TUBE I.D. (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

MAXIMUM OPERATING TEMPERATURE	60 °C
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM OPERATING PRESSURE	20 barg
MINIMUM OPERATING TEMPERATURE	-40 °C
SPECIFICATIONS MET	FDA
SPECIFICATIONS MET	RoHS
SPECIFICATIONS MET	REACH
MEDIA	Water (Advanced PE)
MEDIA	Beverages (Advanced PE)
MEDIA	Other Fluids (Advanced PE)
MEDIA	Industrial Fluids (Low density PE)
APPLICATION	Water Treatment
APPLICATION	Food Processing
APPLICATION	Petrochemicals
APPLICATION	Water
APPLICATION	Chemicals
APPLICATION	Beverage
TUBE MATERIAL	Polyethylene (PE) Low Density, FDA
VACUUM PRESSURE RATING	755 mm-Hg
VACUUM PRESSURE RATING	755.0 mm-Hg
WEIGHT	4.750 kg/package
WEIGHT	4750.0 kg/package
NUMBER OF TUBES	1.0
NUMBER OF TUBES	1