

# PE Tubing

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**.

## Product Advantages

**Advanced PE**

- 50% reticulated material
- Best balance between flexibility and pressure/temperature resistance
- Resistant to a wide range of aggressive chemicals
- UV-stabilised: ideal for outdoor applications
- Approved for permanent 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



**Applications**

- Beverage
- Chemical
- Petrochemical
- Food Process
- Water
- Water Treatment

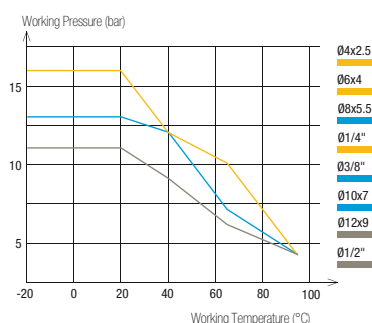
## Technical Characteristics

Tube	Advanced PE	Low Density PE	Regulations
Compatible Fluids	Water, beverages and other fluids	Industrial fluids	<b>Advanced PE Tubing</b> FDA: 21 CFR 177.1520 RG: 1935/2004/EC DI: 97/23/EC (PED) DI: 2002/95/EC (RoHS), 2011/65/EC NSF 42/58 (1/4" and 3/8" approved for 10 bar and 1/2" approved for 8 bar at room temperature) NSF 51, 61 C-HOT ACS (except for purple colour) WRAS RG: 1907/2006 (REACH)
Working Pressure	Vacuum to 16 bar	Vacuum to 20 bar	
Working Temperature	-40°C to +95°C	-40°C to +60°C	
Component Materials	High quality polyethylene: 50% reticulated PE 50% low density PE (44 shore D)	Low Density Polyethylene (44 shore D)	
			<b>Low Density PE Tubing</b> FDA: 21 CFR 177.1520 DI: 2002/95/EC (RoHS), 2011/65/EC DI: 97/23/EC (PED)

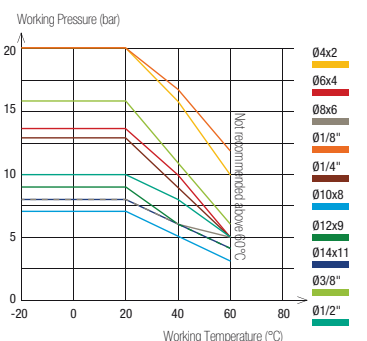
Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Tubing Performance

#### Advanced PE Tubing



#### Low Density PE Tubing



Tube O.D.	Tube O.D. Tolerance
1/4" to 1/2"	+0.10 / -0.10
4 to 14 mm	+0.10 / -0.10

Connected to Parker Legris push-in fittings, the calibration of Parker Legris tubing ensures perfect sealing.

#### Packaging

Advanced PE Tubing  
 Tubepack\*: 75 m, 150 m, 300 m  
 250 feet, 500 feet, 1 000 feet  
 PE Tubing  
 Tubepack\*: 25 m, 100 m

To calculate burst pressure, the values in these graphs should be multiplied by 3.