

# 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
<b>Compatible Fluids</b>	Water, beverages and other fluids	Industrial fluids
<b>Working Pressure</b>	Vacuum to 16 bar	Vacuum to 20 bar
<b>Working Temperature</b>	-40°C to +95°C	-40°C to +60°C
<b>Component Materials</b>	High quality polyethylene: 50% reticulated PE 50% low density PE (44 shore D)	Low Density Polyethylene (44 shore D)

### 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 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)

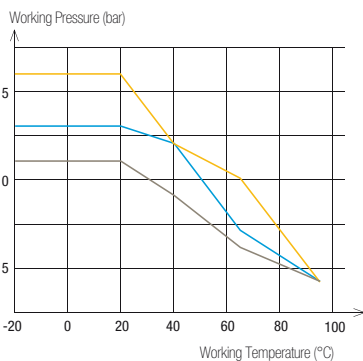
#### Low Density PE Tubing

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

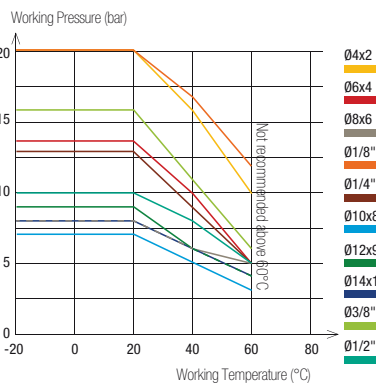
Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### 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.