

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 |
|----------------------------|--|--|
| Compatible Fluids | Water, beverages and other fluids | Industrial fluids |
| 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) |

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)

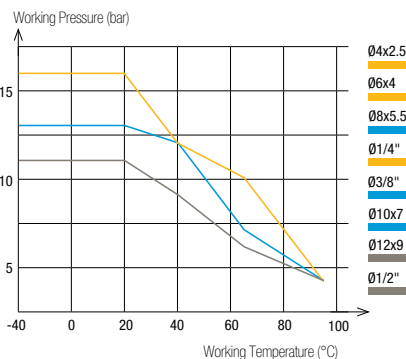
Low Density PE Tubing

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

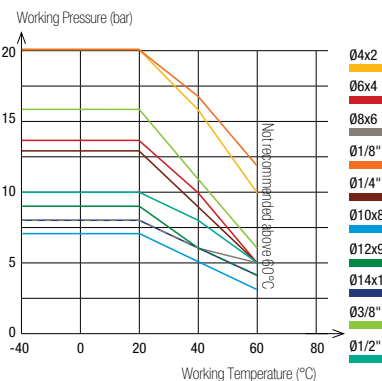
Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

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.

1015Y..F Advanced Polyethylene (APE) Tubing

Drum 150 m

| O.D. (mm) | I.D. (mm) | R | Clear | Black | Green | Red | Blue | Yellow | White | kg |
|-----------|-----------|----|------------|------------|------------|------------|------------|------------|------------|-------|
| 4 | 2.5 | 16 | 1015Y04F00 | 1015Y04F01 | 1015Y04F02 | 1015Y04F03 | 1015Y04F04 | 1015Y04F05 | 1015Y04F10 | 1.760 |
| 6 | 4 | 32 | 1015Y06F00 | 1015Y06F01 | 1015Y06F02 | 1015Y06F03 | 1015Y06F04 | 1015Y06F05 | 1015Y06F10 | 2.580 |
| 8 | 5.75 | 40 | 1015Y08F00 | 1015Y08F01 | 1015Y08F02 | 1015Y08F03 | 1015Y08F04 | 1015Y08F05 | 1015Y08F10 | 4.050 |
| 10 | 7 | | 1015Y10F00 | 1015Y10F01 | 1015Y10F02 | 1015Y10F03 | 1015Y10F04 | 1015Y10F05 | 1015Y10F10 | 6.200 |

1030Y..F Advanced Polyethylene (APE) Tubing

Drum 300 m

| O.D. (mm) | I.D. (mm) | R | Clear | Black | Green | Red | Blue | Yellow | White | kg |
|-----------|-----------|----|------------|------------|------------|------------|------------|------------|------------|-------|
| 4 | 2.5 | 16 | 1030Y04F00 | 1030Y04F01 | 1030Y04F02 | 1030Y04F03 | 1030Y04F04 | 1030Y04F05 | 1030Y04F10 | 2.860 |
| 6 | 4 | 32 | 1030Y06F00 | 1030Y06F01 | 1030Y06F02 | 1030Y06F03 | 1030Y06F04 | 1030Y06F05 | 1030Y06F10 | 4.800 |

1075Y..F Advanced Polyethylene (APE) Tubing

Drum 75 m

| O.D. (mm) | I.D. (mm) | R | Clear | Black | Green | Red | Blue | Yellow | White | kg |
|-----------|-----------|----|------------|------------|------------|------------|------------|------------|------------|-------|
| 12 | 9 | 55 | 1075Y12F00 | 1075Y12F01 | 1075Y12F02 | 1075Y12F03 | 1075Y12F04 | 1075Y12F05 | 1075Y12F10 | 5.550 |

1096Y..F Advanced Polyethylene (APE) Tubing

Drum 250 ft

| O.D. (inch) | I.D. (inch) | R | Clear | Black | Green | Red | Blue | Yellow | White | kg |
|-------------|-------------|------|------------|------------|------------|------------|------------|------------|------------|-------|
| 1/2 | 0.375 | 1.96 | 1096Y62F00 | 1096Y62F01 | 1096Y62F02 | 1096Y62F03 | 1096Y62F04 | 1096Y62F05 | 1096Y62F10 | 5.900 |

1098Y..F Advanced Polyethylene (APE) Tubing

Drum 500 ft

| O.D. (inch) | I.D. (inch) | R | Clear | Black | Green | Red | Blue | Yellow | White | kg |
|-------------|-------------|------|------------|------------|------------|------------|------------|------------|------------|-------|
| 1/4 | 0.170 | 0.78 | 1098Y56F00 | 1098Y56F01 | 1098Y56F02 | 1098Y56F03 | 1098Y56F04 | 1098Y56F05 | 1098Y56F10 | 3.300 |
| 3/8 | 0.250 | 1.18 | 1098Y60F00 | 1098Y60F01 | 1098Y60F02 | 1098Y60F03 | 1098Y60F04 | 1098Y60F05 | 1098Y60F10 | 6.300 |

1099Y..F Advanced Polyethylene (APE) Tubing

Drum 1000 ft

| O.D. (inch) | I.D. (inch) | R | Clear | Black | Green | Red | Blue | Yellow | White | kg |
|-------------|-------------|------|------------|------------|------------|------------|------------|------------|------------|-------|
| 1/4 | 0.170 | 0.78 | 1099Y56F00 | 1099Y56F01 | 1099Y56F02 | 1099Y56F03 | 1099Y56F04 | 1099Y56F05 | 1099Y56F10 | 5.500 |

Low Density Polyethylene (LDPE) Tubing

1025Y

Tubepack® 25 m

| O.D. (inch) | I.D. (inch) | R | Clear | kg |
|-------------|-------------|----|------------|-------|
| 1/8 | 0.062 | 13 | 1025Y53 00 | 0.270 |
| 1/4 | 0.170 | 32 | 1025Y56 00 | 0.400 |
| 3/8 | 0.250 | 50 | 1025Y60 00 | 0.760 |
| 1/2 | 0.375 | 64 | 1025Y62 00 | 1.330 |

1100Y

Tubepack® 100 m

| O.D. (mm) | I.D. (mm) | R | Clear | kg |
|-----------|-----------|----|------------|-------|
| 4 | 2 | 25 | 1100Y04 00 | 0.910 |
| 6 | 4 | 35 | 1100Y06 00 | 1.500 |
| 8 | 6 | 55 | 1100Y08 00 | 2.140 |
| 10 | 8 | 80 | 1100Y10 00 | 2.710 |
| 12 | 9 | 65 | 1100Y12 00 | 4.750 |
| 14 | 11 | 80 | 1100Y14 00 | 5.650 |