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)

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).

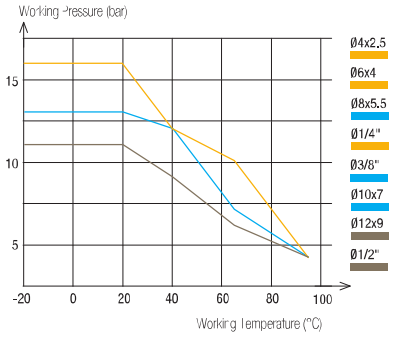
Regulations

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 42/53 (1/4" and 3/8" approved for 10 bar and 1/2" approved for 8 bar at room temperature)
NSF 61 (6" CHCI
ACS (except for purple colour)
WRAS
RG: 1907/2006 (REACH)

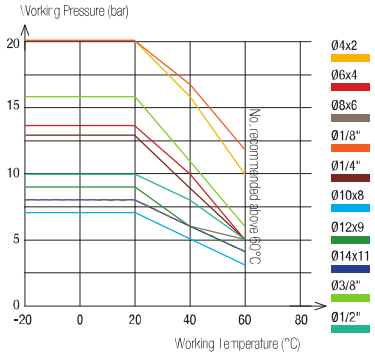
Low Density PE Tubing
FDA: 21 CFR 177.1520
DI: 2002/95/EC (RoHS), 2011/65/EC
DI: 97/23/EC (PED)

Tubing Performance

Advanced PE Tubing



Low Density PE Tubing



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

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

1015Y..F Advanced Polyethylene (APE) Tubing — Drum 150 m

O.D. (mm)	I.D. (mm)	R	Clear						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						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						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						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						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						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

Ø ext. (inch)	Ø int. (inch)	R	Clear	kg
1/8	1.57	13	1025Y53 00	0.270
1/4	4.3	32	1025Y56 00	0.400
3/8	6.35	50	1025Y60 00	0.760
1/2	9.65	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