

# PE Tubing



The polyethylene tubing exists in 2 grades: low-density PE or "Advanced PE" 50% reticulated. Intended for food processing or fluid transmission applications, PE tubings are safe for users' health.

Ø metric:  
4 to 16 mm

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 (53 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: 21CFR 177.1520
- 1935/2004
- NSF 42/58
- NSF 51
- NSF 61 C-HOT

- ACS
- WRAS
- KTW
- W270
- PED
- RoHS
- DM174

Low Density PE Tubing:

- FDA: 21CFR 177.1520
- RoHS
- PED

## Advantages

### Advanced PE

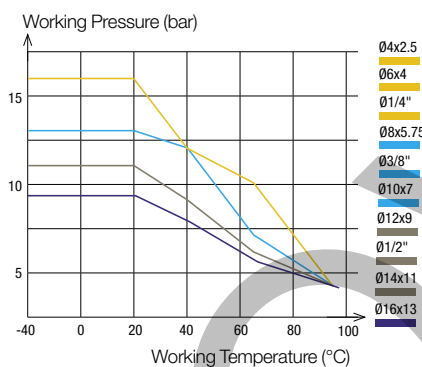
- Approved for contact with beverages and food products
- Resistant to a wide range of chemicals and cleaning products
- Excellent compromise between bending radius and pressure/temperature resistance

### Low Density PE

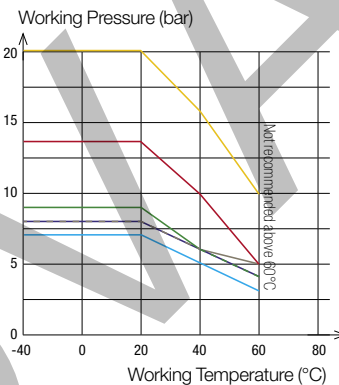
- Food grade material
- Resistance to corrosive and aggressive agents

## 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 16 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  
Drum: 75 m, 150 m, 300 m, 250 feet, 500 feet  
PE Tubing  
Tubepack®: 100 m

## 1015Y..F Advanced Polyethylene (APE) Tubing

Drum 150 m

ØD ext.	ØD int.	R	clear	black	green	red	blue	white	Kg
6	4	32	1015Y06F00	1015Y06F01			1015Y06F04		5.434
8	5.75	40	1015Y08F00	1015Y08F01	1015Y08F02	1015Y08F03	1015Y08F04	1015Y08F10	3.279
10	7	40	1015Y10F00	1015Y10F01	1015Y10F02	1015Y10F03	1015Y10F04	1015Y10F10	5.318








## 1030Y..F Advanced Polyethylene (APE) Tubing

Drum 300 m

ØD ext.	ØD int.	R	clear	black	red	blue	white	Kg
4	2.5	16	1030Y04F00	1030Y04F01				2.860
6	4	32	1030Y06F00	1030Y06F01	1030Y06F03	1030Y06F04	1030Y06F10	4.424

## 1075Y..F Advanced Polyethylene (APE) Tubing

Drum 75 m

ØD ext.	ØD int.		 clear					 white	Kg
12	9	55	1075Y12F00	1075Y12F01	1075Y12F02	1075Y12F03	1075Y12F04	1075Y12F10	3.852
14	11	75	1075Y14F00		1075Y14F02				5.850
16	13	90	1075Y16F00						7.750






## 1096Y..F Advanced Polyethylene (APE) Tubing

Drum 250 ft

ØD ext.	ØD int.		 clear			Kg
1/2	0.375	1.96	1096Y62F00	1096Y62F01	1096Y62F04	4.200

## 1098Y..F Advanced Polyethylene (APE) Tubing

Drum 500 ft

ØD ext.	ØD int.		 clear				Kg
1/4	0.170	0.78	1098Y56F00	1098Y56F01	1098Y56F03	1098Y56F04	2.334
3/8	0.250	1.18	1098Y60F00	1098Y60F01		1098Y60F04	5.518

## 1100Y Low Density Advanced Polyethylene Tubing

Tubepack® 100 m

ØD ext.	ØD int.		 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