



For Tubing Shore Hardness Definition, see page 2498.

Food & Beverage Polyethylene Tubing

- Hardness: Shore D 45
- Max. vacuum pressure: 28 in Hg
- Clarity: Clear, natural color
- Max. operating temp.: 140 °F
- 100 ft.



Lightweight tubing offers flexibility during food and beverage production and withstands high pressures and sterilization by boiling. This abrasion-resistant tubing can twist, bend, and change direction in and around equipment. Food-grade tubing meets strict requirements to be considered safe for use in food and beverage processing and packaging.

Inside Dia.	Outside Diameter	Wall Thick.	Max. Oper. Press. (psi)	Bend Radius	Item No.
1/8 in	1/4 in	0.06 in	456 @ 75°F	2 1/2 in	2LZT1
3/16 in	1/4 in	0.05 in	260 @ 75°F	2 1/2 in	2LZT2
1/4 in	3/8 in	0.06 in	272 @ 75°F	3 3/4 in	2LZT4
3/8 in	1/2 in	0.06 in	194 @ 75°F	5 in	2LZT6
1/2 in	5/8 in	0.06 in	151 @ 75°F	6 1/4 in	2LZT7



Laboratory & Medical Polyethylene Tubing

- Hardness: Shore 86
- 100 ft.



Flexible and lightweight for fluid transfer in laboratory, bioprocess, medical and pharmaceutical applications. Withstands temperatures, abrasions, chemicals, and stress cracking. Meet USP (Class VI) Certification for use with medical devices.

Inside Dia.	Outside Diameter	Wall Thick.	Max. Oper. Press. (psi)	Color	Clarity	Bend Radius	Item No.
1/8 in	1/4 in	0.06 in	150 @ 70°F	Black	Opaque	1/4 in	1PCU5
		0.06 in	150 @ 70°F	Natural	Semi-Clear	1/4 in	1PCR3
3/32 in	1/4 in	0.04 in	150	Black	Opaque	1/4 in	1PCU4
		0.04 in	150	Natural	Semi-Clear	1/4 in	1PCR4
3/16 in	5/16 in	0.06 in	96 @ 70°F	Black	Opaque	1/2 in	1PCU6
		0.06 in	96 @ 70°F	Natural	Semi-Clear	1/2 in	1PCR5
1/4 in	3/8 in	0.06 in	73 @ 70°F	Black	Opaque	1 in	1PCU7
		0.06 in	73 @ 70°F	Natural	Semi-Clear	1 in	1PCR6
3/8 in	1/2 in	0.06 in	53 @ 70°F	Natural	Semi-Clear	1 3/4 in	1PCR8



Standard



Flame-Retardant

Synflex®

Air & Water Polyethylene Tubing

Flexible lightweight tubing resists impact, punctures, chemicals, and stress cracking when exposed to solvents, soaps, and oils.

Standard Tubing—Offers flexibility for air, water, and liquid transport lines for potable water, low-pressure pneumatics, and drain lines.

Flame-Retardant Tubing—Engineered to resist flames and prevent smoke in the event of a fire. Abrasion-resistant, flame-retardant tubing is UL Classified for flame and smoke only in pneumatic controls involving weld spatter or sparks.

Inside Dia.	Outside Diameter	Wall Thick.	Max. Oper. Press. (psi)	Color	Clarity	Overall Length	Bend Radius	Maximum Vacuum Pressure	Item No.
Approved Vendor, Standard Polyethylene Tubing, Value-Tube, Max. Oper. Temp.: 140 °F									
Hardness: Shore A 98									
5/32 in	1/4 in	0.04 in	150 @ 75°F	Beige	Semi-Clear	1,000 ft	2 in	28 in Hg	4HM14
		0.04 in	150 @ 75°F	Black	Opaque	1,000 ft	1 1/4 in	28 in Hg	1PBZ6
		0.04 in	150 @ 75°F	Blue	Opaque	1,000 ft	1 1/4 in	28 in Hg	1PBY5
		0.04 in	150 @ 75°F	Red	Opaque	1,000 ft	1 1/4 in	28 in Hg	1PBW3
		0.04 in	150 @ 75°F	Yellow	Opaque	1,000 ft	1 1/4 in	28 in Hg	1PBX4
		0.06 in	150 @ 75°F	Beige	Semi-Clear	100 ft	2 in	28 in Hg	4HM13
1/4 in	3/8 in	0.06 in	150 @ 75°F	Beige	Semi-Clear	100 ft	3 in	28 in Hg	4HM15
		0.06 in	150 @ 75°F	Beige	Semi-Clear	1,000 ft	3 in	28 in Hg	4HM16
		0.062 in	150 @ 75°F	Black	Opaque	100 ft	2 in	28 in Hg	1PBZ8
		0.062 in	150 @ 75°F	Black	Opaque	1,000 ft	2 in	28 in Hg	1PCC1
		0.062 in	150 @ 75°F	Blue	Opaque	1,000 ft	2 in	28 in Hg	1PBY9
		0.06 in	125 @ 75°F	Beige	Semi-Clear	100 ft	4 in	28 in Hg	4HM12
3/8 in	1/2 in	0.062 in	125 @ 75°F	Beige	Semi-Clear	500 ft	2 1/2 in	28 in Hg	2LZK2
		0.062 in	125 @ 75°F	Black	Opaque	100 ft	2 1/2 in	28 in Hg	1PCC3
4 mm	6 mm	1 mm	150 @ 75°F	Beige	Semi-Clear	100 ft	31 3/4 mm	28 in Hg	2LZR1

SYNFLEX, Flame-Retardant Polyethylene Tubing, Max. Oper. Temp.: 176 °F

Inside Dia.	Outside Diameter	Wall Thick.	Max. Oper. Press. (psi)	Color	Clarity	Overall Length	Bend Radius	Maximum Vacuum Pressure	Item No.
Hardness: Shore D 45									
1/8 in	1/4 in	0.04 in	464	Black	Opaque	250 ft	2 in	—	2LZN9
5/32 in	1/4 in	0.04 in	464	Black	Opaque	250 ft	2 in	—	2LZP5 †
		0.04 in	522.14	Black	Opaque	250 ft	2 in	—	2LZP2 †
1/4 in	3/8 in	0.06 in	522.14	Black	Opaque	250 ft	1 1/2 in	—	2LZP7
3/8 in	1/2 in	0.06 in	464.13	Black	Opaque	250 ft	1 22/25 in	—	2LZP8

* Red stripe. † Blue stripe.



Antimicrobial Polyethylene Tubing

Flexible tubing is treated with natural, nontoxic silver ion protection to prevent the growth of microorganisms (bacteria, fungi, mold, and mildew) on the inside or outside of tubing used in water systems and food and beverage processing.



Inside Dia.	Outside Diameter	Wall Thick.	Max. Oper. Press. (psi)	Overall Length	Bend Radius	Maximum Vacuum Pressure	Brand	Item No.
Hardness: Shore A 69, Tradename: Versilon, Material: TPE, Max. Temp.: 165 °F								
Silver								
1/8 in	1/4 in	0.06 in	65 @ 73°F	50 ft	1/2 in	29.9 in Hg	Tygon	2DCB4
3/16 in	5/16 in	0.06 in	50 @ 73°F	50 ft	3/4 in	29.9 in Hg	Tygon	2DCB6
1/4 in	3/8 in	0.06 in	40 @ 73°F	50 ft	3/4 in	29.9 in Hg	Tygon	2DCB8
3/8 in	1/2 in	0.06 in	30 @ 73°F	50 ft	1 1/2 in	25 in Hg	Tygon	2DCC1
1/2 in	3/4 in	0.13 in	38 @ 73°F	50 ft	1 3/4 in	29.9 in Hg	Tygon	2DCC3
Hardness: Shore A 86, Tradename: Flexelene, Material: Polyethylene, Max. Temp.: 170 °F								
Light Blue								
3/32 in	5/16 in	0.062 in	86 @ 70°F	25 ft	—	—	Eldon James	796VE7
		0.062 in	150 @ 70°F	25 ft	—	—	Eldon James	796VE8
1/8 in	1/4 in	0.062 in	150 @ 70°F	50 ft	—	—	Eldon James	796VC7
		0.062 in	150 @ 70°F	100 ft	1/4 in	—	Eldon James	1LLN3
3/16 in	5/16 in	0.062 in	96 @ 70°F	100 ft	1/2 in	—	Eldon James	1LLN4
		0.062 in	73 @ 70°F	25 ft	—	—	Eldon James	796VF9
1/4 in	3/8 in	0.062 in	73 @ 70°F	50 ft	—	—	Eldon James	796VC9
		0.062 in	73 @ 70°F	100 ft	1 in	—	Eldon James	1LLN5
3/8 in	1/2 in	0.062 in	53 @ 70°F	50 ft	—	—	Eldon James	796VD1
		0.062 in	53 @ 70°F	100 ft	1 3/4 in	—	Eldon James	1LLN8
5/8 in	1 1/8 in	0.125 in	48	100 ft	2 in	—	Eldon James	1LLN9



Gas Line Polyethylene Tubing

- Clarity: Opaque, yellow color
- Max. operating pressure: 100 psi
- Max. operating temp.: 140 °F

Flexible tubing is durable and resists stress cracking and ruptures over time when used with natural gas, propane (LPG or liquid petroleum gas), and butane. This material is tested to meet or exceed National Standards for Gas Pressure Pipe and Pipelines, as published by the American Society for Testing and Materials. For use in buried underground applications.

Inside Dia.	Outside Diameter	Wall Thick.	Overall Length	Bend Radius	Item No.
1/2 in	27/32 in	0.09 in	150 ft	21 in	4EHF6
		0.09 in	500 ft	21 in	4EHF7
3/4 in	1 1/16 in	0.095 in	150 ft	26 in	4EHF1
		0.12 in	150 ft	32 in	4EHF3
1 in	1 3/16 in	0.12 in	500 ft	32 in	4EHF5