

# PTFE TUBING

## PTFE Tubing (PolyTetraFluoroEthylene)

If your temperature requirements range up to 500° F (260° C), PTFE Tubing (PolyTetraFluoroEthylene) is the recommended choice. It resists “melt-off” by soldering irons when making terminations. Because of its excellent dielectric properties, it is widely used in electronics and electrical service. Another key advantage of PTFE Tubing is its non-stick properties that allow the transport of materials with minimal fluid resistance. Please do be aware, however, that PTFE reacts with fluorine, molten sodium hydroxide and molten alkali metals.



We have a full line of extruded PTFE Tubing used for protecting wiring or transporting fluids in critical applications. PTFE Tubing comes in various configurations as well as custom designs. PTFE Tubing outperforms glass and graphite by its inherent superior chemical resistivity and low coefficient of friction, making it an ideal material for fluid transfers. PTFE Tubing can be used with virtually all industrial solvents, chemicals, and corrosive materials, and can be used in processes at elevated temperatures. It can be steam sterilized without effecting its physical properties, such as surface hardness, elongation, flex life or deformation under load. PTFE Tubing is normally translucent white in color, however, the degree of whiteness varies from lot to lot, and with dimensional wall thickness. Colored PTFE tubing is also available and is generally used to simplify tube routing during system installations.

## PTFE Fractional Sizes

O.D. (in)	I.D. (in)	Wall (in)	Nominal O.D.	O.D. Tolerance (in)	Wall Tolerance (in)	Working Pressure PSIG (bar)	Burst Pressure PSIG (bar)	Minimum Bend Radius (in)
1/8	1/16	0.031	0.125	+/- 0.004	+/- 0.003	300 (21)	1500 (103)	1/2
3/16	1/8	0.031	0.188	+/- 0.005	+/- 0.003	192 (13)	961 (66)	1/2
1/4	3/16	0.031	0.25	+/- 0.005	+/- 0.003	140 (9.7)	700 (48)	1
1/4	5/32	0.047	0.25	+/- 0.005	+/- 0.003	219 (15)	1095 (75)	3/4
1/4	1/8	0.062	0.25	+/- 0.005	+/- 0.003	300 (21)	1500 (103)	1/2
5/16	1/4	0.031	0.313	+/- 0.005	+/- 0.003	110 (7.6)	549 (38)	3/4
5/16	3/16	0.062	0.313	+/- 0.005	+/- 0.003	235 (16)	1176 (81)	1/2
3/8	5/16	0.031	0.375	+/- 0.005	+/- 0.003	90 (6.2)	450 (31)	2-1/2
3/8	1/4	0.062	0.375	+/- 0.005	+/- 0.003	192 (13)	962 (66)	1
1/2	7/16	0.031	0.5	+/- 0.006	+/- 0.003	66 (4.6)	332 (23)	4
1/2	3/8	0.062	0.5	+/- 0.006	+/- 0.003	140 (9.7)	700 (48)	2