

ETFE Tubing

ETFE tubing lends itself very well to high pressure applications in much the same way as PEEK tubing. Coupled with its broad chemical resistance and regulatory compliance, ETFE tubing can be used effectively in highly sensitive instrumentation used for precise gas and liquid analysis in the life sciences sector.

By retaining impressive mechanical performance and corrosion resistance up to its maximum working temperature, ETFE can be used for industrial chemical processing pipework where its robust, abrasion resistant qualities are utilised.

ETFE tubing availability

- Long continuous lengths on spools or in coils
- Straight cut 'sticks'
- Pigmentations, striped or solid.



Key features



Serviceable from -100°C (-150°F) to 150°C (302°F)



Good chemical resistance



Excellent crush & kink resistance and superb stress crack resistance



UL 94 V-O flammability rating



Excellent weathering performance



FDA conforming & USP Class VI compliant



Easily thermoformed



Ideal for high pressure applications

Standard metric sizes

ID	ID tol. +/-	OD	OD tol. +/-	W	W/P @ 23°C (bar)	B/P @ 23°C (bar)
1.00	0.10	2.00	0.10	0.50	40	200
2.00	0.10	4.00	0.10	1.00	40	200
2.50	0.10	4.00	0.10	0.75	24	120
3.00	0.10	4.00	0.10	0.50	13	66
4.00	0.10	6.00	0.10	1.00	20	100
6.00	0.10	8.00	0.10	1.00	13	66
5.00	0.15	8.00	0.15	1.50	24	120

W/P = Working Pressure | B/P = Burst Pressure

Standard imperial sizes

ID	ID (mm)	ID tol. +/- (mm)	OD	OD (mm)	OD tol. +/- (mm)	W (mm)	W/P @ 23°C (bar)	B/P @ 23°C (bar)
1/32"	0.79	0.10	1/16"	1.59	0.10	0.40	40	200
1/16"	1.59	0.10	1/8"	3.18	0.10	0.79	39	198
1/8"	3.18	0.15	1/4"	6.35	0.15	1.59	40	200
5/32"	3.97	0.15	1/4"	6.35	0.15	1.19	11	119
3/16"	4.76	0.10	1/4"	6.35	0.10	0.79	13	66
1/4"	6.35	0.15	3/8"	9.53	0.15	1.59	20	100

W/P = Working Pressure | B/P = Burst Pressure

Although the size range above satisfies most applications, many more sizes and custom dimensions are possible to suit your specific needs.