

ETFE Tubing

- ▶ Excellent chemical resistance
- ▶ Holds pressure up to 4,000 psi (276 bar)
- ▶ 1/16", 1/8", or 1/4" outside diameter available
- ▶ Maximum continuous operating temperature: 80 °C

Upchurch Scientific® ETFE (ethylene-tetrafluoroethylene) tubing is an excellent fluoropolymer product that offers several benefits over tubing manufactured from PTFE, FEP, or PFA. These benefits include enhanced pressure holding capabilities, increased mechanical stability and lower gas permeability.



Other tubing materials and dimensions may be available. Please contact IDEX Health & Science or your local representative directly.

APPLICATION NOTE

ETFE tubing is an ideal choice for the fluid pathway between the vacuum degasser and the system's pump. Its low gas permeability will help ensure the mobile phase solvents do not regas while in transit.

SPECIFICATIONS & DETAILS

ETFE Tubing Specifications

Tubing OD	Tubing ID	OD/ID Tolerances
1/16" OD	0.010" (0.25 mm), 0.020" (0.50 mm), 0.030" (0.75 mm)	±0.001" (25 µm)
1/16" OD	0.040" (1.0 mm)	±0.002" (50 µm)
1/8" OD	All	±0.003" (75 µm)
1/4" OD	All	±0.004" (100 µm)

Part No.	ID	Length	Color	Max. Pressure
ETFE TUBING, 1/16" OD				
1529	0.010" (0.25 mm)	5' (1.5 m)	Natural	4,000 psi (276 bar)
1529L	0.010" (0.25 mm)	50' (15 m)	Natural	4,000 psi (276 bar)
1529XL	0.010" (0.25 mm)	100' (30 m)	Natural	4,000 psi (276 bar)
1516	0.020" (0.50 mm)	5' (1.5 m)	Natural	3,000 psi (207 bar)
1516L	0.020" (0.50 mm)	50' (15 m)	Natural	3,000 psi (207 bar)
★ 1516XL	0.020" (0.50 mm)	100' (30 m)	Natural	3,000 psi (207 bar)
1528	0.030" (0.75 mm)	5' (1.5 m)	Natural	2,000 psi (138 bar)
1528L	0.030" (0.75 mm)	50' (15 m)	Natural	2,000 psi (138 bar)
★ 1528XL	0.030" (0.75 mm)	100' (30 m)	Natural	2,000 psi (138 bar)
1517	0.040" (1.00 mm)	5' (1.5 m)	Natural	500 psi (34 bar)
1517L	0.040" (1.00 mm)	50' (15 m)	Natural	500 psi (34 bar)
1517XL	0.040" (1.00 mm)	100' (30 m)	Natural	500 psi (34 bar)
ETFE TUBING, 1/8" OD				
1515	0.062" (1.55 mm)	5' (1.5 m)	Black	1,000 psi (69 bar)
1515L	0.062" (1.55 mm)	50' (15 m)	Black	1,000 psi (69 bar)
1515XL	0.062" (1.55 mm)	100' (30 m)	Black	1,000 psi (69 bar)
★ 1530	0.062" (1.55 mm)	5' (1.5 m)	Natural	1,000 psi (69 bar)
1530L	0.062" (1.55 mm)	50' (15 m)	Natural	1,000 psi (69 bar)
★ 1530XL	0.062" (1.55 mm)	100' (30 m)	Natural	1,000 psi (69 bar)
1648	0.093" (2.40 mm)	5' (1.5 m)	Natural	500 psi (34 bar)
1648L	0.093" (2.40 mm)	50' (15 m)	Natural	500 psi (34 bar)
★ 1648XL	0.093" (2.40 mm)	100' (30 m)	Natural	500 psi (34 bar)
ETFE TUBING, 1/4" OD				
1647	0.188" (4.80 mm)	5' (1.5 m)	Natural	250 psi (17 bar)
1647L	0.188" (4.80 mm)	50' (15 m)	Natural	250 psi (17 bar)
1647XL	0.188" (4.80 mm)	100' (30 m)	Natural	250 psi (17 bar)