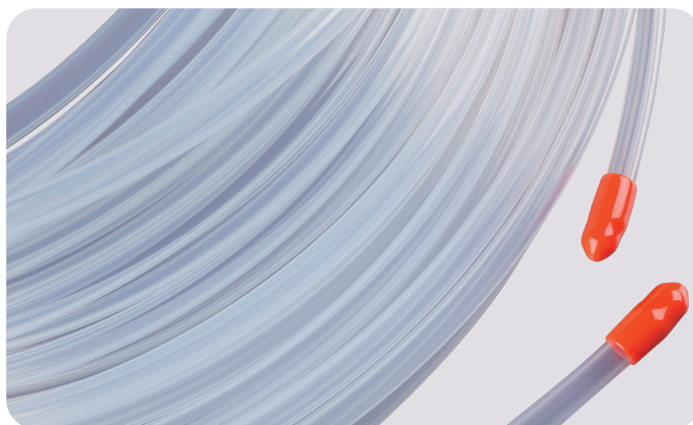


# FEP Tubing

Polyflon offers FEP tubes in IDs ranging from 0.2mm up to 100mm and due to FEP (Fluorinated Ethylene Propylene) being melt processable, very long continuous lengths are possible. Excellent chemical resistance, surface smoothness, transparency and purity of FEP tubing make it the material of choice in many fluid handling applications within the semiconductor, chemical process plant, instrumentation, bio-tech and medical markets.



\*NSF 51 Certification applies to Polyflon's Café Tube FEP & Café Tube PFA products.

## FEP tubing availability

- Long continuous lengths on spools or in coils
- Thermoformed into custom 2D & 3D shapes
- Tip forming: flanges, flares, draw downs, complex micro-moulded ends
- Ready assembled with connectors
- Straight pieces with clean, square cuts
- Bagged directly off extruder to maintain cleanliness
- Pigmentations, striped or solid.

## Key features

- Good optical clarity (96% UV transmission)
- Very smooth internal surfaces
- Reduced gas diffusion
- Excellent chemical resistance
- Ideal for thermoforming
- Wide temperature range -254°C (-425°F) to 205°C (392°F)
- Tight dimensional tolerances
- Biocompatible
- FDA & USP Class VI compliant
- Gamma & ETO sterilisable

## Standard metric sizes

ID	ID tol. +/-	OD	OD tol. +/-	W	MBR	W/P @ 23°C (bar)	B/P @ 23°C (bar)
1.00	0.10	2.00	0.10	0.50	8	22	112
2.00	0.10	4.00	0.10	1.00	16	22	112
2.50	0.10	4.00	0.10	0.75	22	13	67
3.00	0.10	4.00	0.10	0.50	32	7	37
4.00	0.10	6.00	0.10	1.00	36	11	56
5.00	0.15	8.00	0.15	1.50	43	13	67
6.00	0.10	8.00	0.10	1.00	64	7	37
8.00	0.10	10.00	0.10	1.00	100	5	28
9.00	0.15	12.00	0.15	1.50	96	7	37
10.00	0.15	12.00	0.15	1.00	144	4	22

MBR = Minimum Bend Radius (mm) | 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)	MBR	W/P @ 23°C (bar)	B/P @ 23°C (bar)
1/32"	0.79	0.10	1/16"	1.59	0.10	0.40	7	22	113
1/16"	1.59	0.10	1/8"	3.18	0.10	0.79	13	22	111
1/8"	3.18	0.15	1/4"	6.35	0.15	1.59	26	22	112
5/32"	3.97	0.15	1/4"	6.35	0.15	1.19	34	13	67
3/16"	4.76	0.10	1/4"	6.35	0.10	0.79	51	7	37
1/4"	6.35	0.15	3/8"	9.53	0.15	1.59	57	11	56
3/8"	9.53	0.20	1/2"	12.70	0.20	1.59	102	7	37
1/2"	12.70	0.20	5/8"	15.88	0.20	1.59	159	5	28
5/8"	15.88	0.25	3/4"	19.05	0.25	1.59	228	4	22
7/8"	22.22	0.30	1"	25.40	0.30	1.59	311	3	16

MBR = Minimum Bend Radius (mm) | 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.

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