

PTFE Tubing

Polyflon offers the highest quality PTFE tubes produced from only premium virgin raw material grades. Close attention is always paid to finished surface smoothness, ID/OD concentricity and circularity.



Key features



Outstanding low friction/non-stick properties



Excellent resistance to almost all solvents, acids & bases



Very wide temperature range from -270°C (-454°F) to 265°C (509°F)



Virtually unaffected by oxygen, UV light and ozone



Most grades FDA conforming and USP Class VI compliant

PTFE tubing availability

- In coils or on spools
- Straight pieces with clean, square cuts
- Can be supplied in heat sealed PE bags to maintain cleanliness
- Spiral cut for wire/cable management
- Longitudinally slit for 'snap on' sleeving
- Carbon filled for improved conductivity, ceramic filled for better wear
- Pigmented (solid/striped) for quick media identification
- Can be supplied as finished tubing assemblies with connectors



Standard metric sizes

ID	ID tol. +/-	OD	W	W tol. +/-	MBR	W/P @ 23°C (bar)	B/P @ 23°C (bar)
1.00	0.05	2.00	0.50	0.10	8	28	140
2.00	0.10	4.00	1.00	0.20	16	28	140
2.50	0.15	4.00	0.75	0.12	22	16	84
3.00	0.15	4.00	0.50	0.10	32	9	46
3.50	0.15	4.50	0.50	0.10	41	8	40
4.00	0.15	6.00	1.00	0.20	36	14	70
5.00	0.20	8.00	1.50	0.25	43	16	84
6.00	0.20	8.00	1.00	0.20	64	9	46
8.00	0.20	10.00	1.00	0.20	100	7	35
9.00	0.30	12.00	1.50	0.25	96	9	46
10.00	0.30	12.00	1.00	0.20	144	5	28
12.00	0.30	14.00	1.00	0.20	196	4	23

Standard imperial sizes

ID	ID (mm)	ID tol. +/- (mm)	OD	OD (mm)	W (mm)	W tol. +/- (mm)	MBR	W/P @ 23°C (bar)	B/P @ 23°C (bar)
1/32"	0.79	0.05	1/16"	1.59	0.40	0.07	7	28	141
1/16"	1.59	0.10	1/8"	3.18	0.79	0.12	13	27	139
1/8"	3.18	0.15	1/4"	6.35	1.59	0.30	26	28	140
5/32"	3.97	0.15	1/4"	6.35	1.19	0.20	34	16	83
3/16"	4.76	0.20	1/4"	6.35	0.79	0.12	51	9	46
1/4"	6.35	0.20	5/16"	7.94	0.79	0.12	80	7	35
1/4"	6.35	0.20	3/8"	9.53	1.59	0.30	57	14	70
3/8"	9.53	0.30	1/2"	12.70	1.59	0.30	102	9	46
1/2"	12.70	0.50	5/8"	15.88	1.59	0.30	159	7	35
5/8"	15.88	0.50	3/4"	19.05	1.59	0.30	228	6	28
7/8"	22.22	0.50	1"	25.40	1.59	0.30	311	4	20

MBR = Minimum Bend Radius (mm) | W/P = Working Pressure | B/P = Burst Pressure

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