

Metric Catalog Tubing

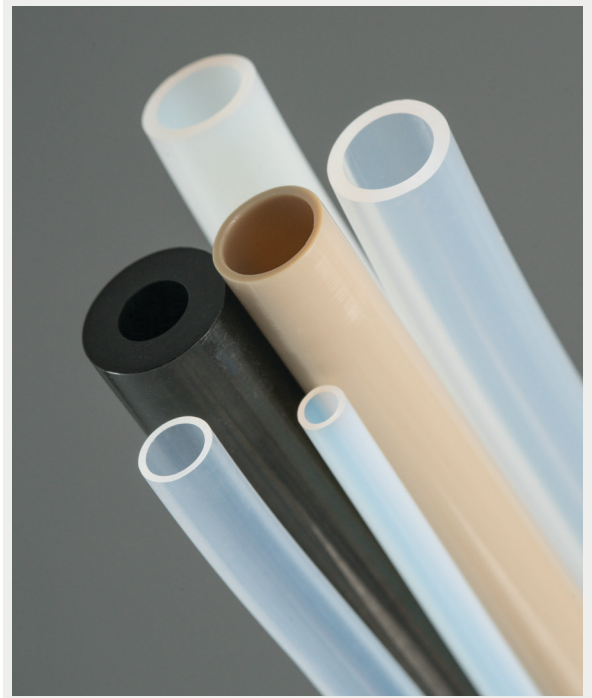
PTFE, FEP, PFA, and ETFE Tubing

Overview-

As the world's leader in polymer extrusions, Zeus provides advanced extruded tubing for a range of industries, including medical, aerospace, electrical, fiber optics, oil and gas, and more. From lubricity and flexibility to mechanical strength, chemical resistance, and more, our tubing products are an ideal choice for a wide variety of applications.

Zeus offers standard metric catalog sizing in various high-performance resins, including PTFE, FEP, PFA, and ETFE. Our metric tubing products are available in a range of sizes and wall thicknesses to meet the needs of multiple industry applications.

Our metric catalog tubing is supplied in natural color unless otherwise specified. Custom colors are available on request.



Request a sample of our metric catalog tubing by contacting a sales representative today.

APPLICATIONS

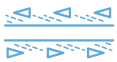
- Aerospace
- Energy
- Oil & Gas
- Fiber Optics
- Fluid Management
- Medical

CAPABILITIES AND SIZING

- Available resins include PTFE, FEP, PFA, and ETFE
- 0.50 mm, 1.00 mm, 1.50 mm, and 2.00 mm walls
- Tolerances low as ± 0.05 mm

KEY PROPERTIES

- Resin-dependent temperatures up to 500 °F / 260 °C
- Chemical resistance
- Lubricity, optical clarity, and flexibility vary, depending on resin



COEFFICIENT OF FRICTION



CHEMICAL RESISTANCE



CONTINUOUS SERVICE TEMP



Metric Catalog Tubing

0.50 mm WALL TUBING			
ORDERING SIZE (ID/OD)	ID TOLERANCE	WALL THICKNESS	WALL THICKNESS TOLERANCE
0.50 / 1.50	±0.05	0.50	±0.07
1.00 / 2.00	±0.05	0.50	±0.07
1.50 / 2.50	±0.10	0.50	±0.07
2.00 / 3.00	±0.10	0.50	±0.07
2.50 / 3.50	±0.15	0.50	±0.07
3.00 / 4.00	±0.15	0.50	±0.07
3.50 / 4.50	±0.15	0.50	±0.07
4.00 / 5.00	±0.15	0.50	±0.07
4.50 / 5.50	±0.20	0.50	±0.07
5.00 / 6.00	±0.20	0.50	±0.07
5.50 / 6.50	±0.20	0.50	±0.07
6.00 / 7.00	±0.20	0.50	±0.07
6.50 / 7.50	±0.20	0.50	±0.07
7.00 / 8.00	±0.20	0.50	±0.07
7.50 / 8.50	±0.20	0.50	±0.07
8.00 / 9.00	±0.20	0.50	±0.07
8.50 / 9.50	±0.30	0.50	±0.07
9.00 / 10.00	±0.30	0.50	±0.07
12.00 / 13.00	±0.30	0.50	±0.07
13.00 / 14.00	±0.50	0.50	±0.07



Metric Catalog Tubing

1.00 mm WALL TUBING			
ORDERING SIZE (ID/OD)	ID TOLERANCE	WALL THICKNESS	WALL THICKNESS TOLERANCE
1.00 / 3.00	±0.05	1.00	±0.15
2.00 / 4.00	±0.10	1.00	±0.15
2.50 / 4.50	±0.15	1.00	±0.15
3.00 / 5.00	±0.15	1.00	±0.15
3.50 / 5.50	±0.15	1.00	±0.15
4.00 / 6.00	±0.15	1.00	±0.15
4.50 / 6.50	±0.20	1.00	±0.15
5.00 / 7.00	±0.20	1.00	±0.15
5.50 / 7.50	±0.20	1.00	±0.15
6.00 / 8.00	±0.20	1.00	±0.15
6.50 / 8.50	±0.20	1.00	±0.15
7.00 / 9.00	±0.20	1.00	±0.15
7.50 / 9.50	±0.20	1.00	±0.15
8.00 / 10.00	±0.20	1.00	±0.15
8.50 / 10.50	±0.30	1.00	±0.15
9.00 / 11.00	±0.30	1.00	±0.15
9.50 / 11.50	±0.30	1.00	±0.15
10.00 / 12.00	±0.30	1.00	±0.15
10.50 / 12.50	±0.30	1.00	±0.15
11.00 / 13.00	±0.30	1.00	±0.15
12.00 / 14.00	±0.30	1.00	±0.15
13.00 / 15.00	±0.30	1.00	±0.15
14.00 / 16.00	±0.30	1.00	±0.15
15.00 / 17.00	±0.40	1.00	±0.15
16.00 / 18.00	±0.40	1.00	±0.15
18.00 / 20.00	±0.40	1.00	±0.15
19.00 / 21.00	±0.40	1.00	±0.15
19.50 / 21.50	±0.40	1.00	±0.15
20.00 / 22.00	±0.40	1.00	±0.15

1.00 mm WALL TUBING (CONTINUED)			
ORDERING SIZE (ID/OD)	ID TOLERANCE	WALL THICKNESS	WALL THICKNESS TOLERANCE
21.00 / 23.00	±0.50	1.00	±0.15
22.00 / 24.00	±0.50	1.00	±0.15
22.50 / 24.50	±0.50	1.00	±0.15
23.00 / 25.00	±0.50	1.00	±0.15
23.50 / 25.50	±0.50	1.00	±0.15
25.00 / 27.00	±0.50	1.00	±0.15
26.00 / 28.00	±0.50	1.00	±0.15
27.00 / 29.00	±0.50	1.00	±0.15
28.00 / 30.00	±0.50	1.00	±0.15
29.00 / 31.00	±0.50	1.00	±0.15
30.00 / 32.00	±0.60	1.00	±0.15
32.00 / 34.00	±0.60	1.00	±0.15
37.00 / 39.00	±0.60	1.00	±0.15
38.00 / 40.00	±0.60	1.00	±0.15
40.00 / 42.00	±0.75	1.00	±0.15
42.00 / 44.00	±0.75	1.00	±0.15
43.00 / 45.00	±0.75	1.00	±0.15
45.00 / 47.00	±0.75	1.00	±0.15
45.50 / 47.50	±0.75	1.00	±0.15
48.00 / 50.00	±0.75	1.00	±0.15
50.00 / 52.00	±0.75	1.00	±0.15



Metric Catalog Tubing

1.50 mm WALL TUBING			
ORDERING SIZE (ID/OD)	ID TOLERANCE	WALL THICKNESS	WALL THICKNESS TOLERANCE
1.50 / 4.50	±0.10	1.50	±0.20
2.00 / 5.00	±0.15	1.50	±0.20
3.00 / 6.00	±0.15	1.50	±0.20
5.00 / 8.00	±0.20	1.50	±0.20
6.00 / 9.00	±0.20	1.50	±0.20
10.00 / 13.00	±0.30	1.50	±0.20
12.00 / 15.00	±0.30	1.50	±0.20
13.00 / 16.00	±0.30	1.50	±0.20
14.00 / 17.00	±0.30	1.50	±0.20
16.00 / 19.00	±0.40	1.50	±0.20
18.00 / 21.00	±0.40	1.50	±0.20
19.00 / 22.00	±0.40	1.50	±0.20
20.00 / 23.00	±0.50	1.50	±0.20
21.00 / 24.00	±0.50	1.50	±0.20
22.00 / 25.00	±0.50	1.50	±0.20
25.00 / 28.00	±0.50	1.50	±0.20
28.00 / 31.00	±0.50	1.50	±0.20
29.00 / 32.00	±0.50	1.50	±0.20
30.00 / 33.00	±0.60	1.50	±0.20
40.00 / 43.00	±0.75	1.50	±0.20
49.00 / 52.00	±0.75	1.50	±0.20

2.00 mm WALL TUBING			
ORDERING SIZE (ID/OD)	ID TOLERANCE (±)	WALL THICKNESS	WALL THICKNESS TOLERANCE
2.00 / 6.00	±0.10	2.00	±0.20
4.00 / 8.00	±0.15	2.00	±0.20
6.00 / 10.00	±0.20	2.00	±0.20
8.00 / 12.00	±0.20	2.00	±0.20
10.00 / 14.00	±0.30	2.00	±0.20
12.00 / 16.00	±0.30	2.00	±0.20
14.00 / 18.00	±0.40	2.00	±0.20
16.00 / 20.00	±0.40	2.00	±0.20
20.00 / 24.00	±0.50	2.00	±0.20
25.00 / 29.00	±0.50	2.00	±0.20
28.00 / 32.00	±0.50	2.00	±0.20
28.50 / 32.50	±0.50	2.00	±0.20
32.00 / 36.00	±0.60	2.00	±0.20
36.00 / 40.00	±0.60	2.00	±0.20
40.00 / 44.00	±0.75	2.00	±0.20
46.00 / 50.00	±0.75	2.00	±0.20

