

Heavy Construction Tubing

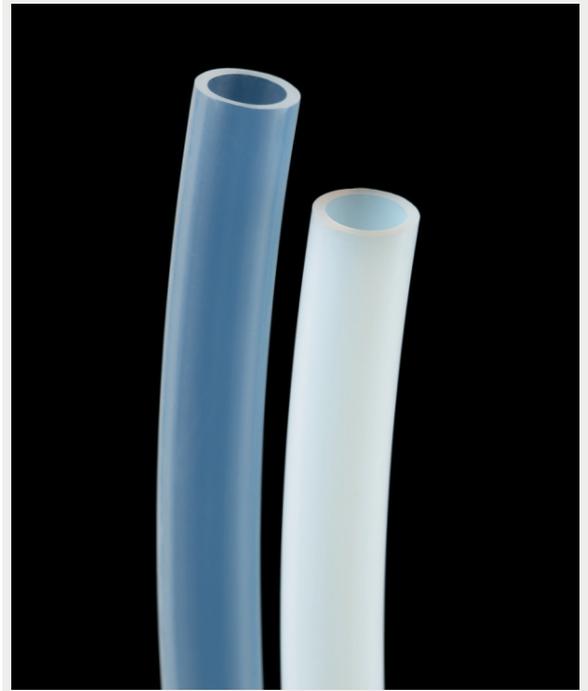
PTFE, FEP, PFA, and ETFE Tubing

Overview-

As the world's leader in polymer extrusions, Zeus provides advanced extruded tubing for various 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 heavy construction sizing in various high-performance resins, including PTFE, FEP, PFA, and ETFE. Our heavy construction tubing products are available in a range of sizes and wall thicknesses to meet the needs of multiple industry applications.

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



Request a sample of our heavy construction 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
- Fractional sizes 1/4" - 1" (6.35 mm - 25.40 mm)
- Tolerances low as $\pm 0.005"$ (± 0.13 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



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DIMENSIONS (INCHES)			
FRACTIONAL SIZE (OD)	OUTSIDE DIAMETER (OD) in.	INSIDE DIAMETER (ID) in.	NOMINAL WALL THICKNESS in.
1/4	0.250 ± 0.005	0.125 ± 0.005	0.063
5/16	0.313 ± 0.005	0.188 ± 0.005	0.063
3/8	0.375 ± 0.005	0.250 ± 0.005	0.063
7/16	0.438 ± 0.005	0.313 ± 0.005	0.063
1/2	0.500 ± 0.006	0.375 ± 0.006	0.063
9/16	0.563 ± 0.006	0.438 ± 0.006	0.063
5/8	0.625 ± 0.006	0.500 ± 0.006	0.063
11/16	0.688 ± 0.006	0.563 ± 0.006	0.063
3/4	0.750 ± 0.006	0.625 ± 0.006	0.063
13/16	0.813 ± 0.006	0.688 ± 0.006	0.063
7/8	0.875 ± 0.006	0.750 ± 0.006	0.063
15/16	0.938 ± 0.006	0.813 ± 0.006	0.063
1	1.000 ± 0.010	0.875 ± 0.010	0.063

DIMENSIONS (mm)			
FRACTIONAL SIZE (OD)	OUTSIDE DIAMETER (OD) mm	INSIDE DIAMETER (ID) mm	NOMINAL WALL THICKNESS mm
1/4	6.35 ± 0.13	3.18 ± 0.13	1.60
5/16	7.92 ± 0.13	4.78 ± 0.13	1.60
3/8	9.52 ± 0.13	6.35 ± 0.13	1.60
7/16	11.13 ± 0.13	7.95 ± 0.13	1.60
1/2	12.70 ± 0.15	9.52 ± 0.15	1.60
9/16	14.30 ± 0.15	11.13 ± 0.15	1.60
5/8	15.88 ± 0.15	12.70 ± 0.15	1.60
11/16	17.48 ± 0.15	14.30 ± 0.15	1.60
3/4	19.05 ± 0.15	15.88 ± 0.15	1.60
13/16	20.65 ± 0.15	17.48 ± 0.15	1.60
7/8	22.23 ± 0.15	19.05 ± 0.15	1.60
15/16	23.83 ± 0.15	20.65 ± 0.15	1.60
1	25.40 ± 0.25	22.23 ± 0.25	1.60

