

Heavy Construction Tubing

Extruded Tubing – PTFE, FEP, PFA, ETFE



Zeus heavy construction tubing is available with larger wall thicknesses giving you a more robust tubing option.

Overview

Zeus heavy construction tubing is ideal for fluid management applications. It is commonly used in lab or analytical applications that require performance tubing with a more robust wall thickness.

There are various attributes of fluoropolymers which are integral for fluid management tubing such as low coefficient of friction, high heat resistance, abrasion resistance, and exceptional chemical resistance. Heavy construction tubing is available in a number of common resins such as PTFE, FEP, PFA, and ETFE; other resins may be available by request.



BIOCOMPATIBLE



CHEMICAL RESISTANCE



CONTINUOUS SERVICE TEMP

Applications

- Fluid management
- Laboratory tubing
- Medical instruments
- Analytical tubing

Capabilities and Sizing

- Available in PTFE, FEP, PFA, and ETFE
- Other resins may be available upon request
- 0.063" (1.60mm) nominal wall thickness
- Standard sizes available from 1/4" (6.35 mm) to 1" (25.40 mm) OD

Key Properties

- Strength
- Chemically resistant
- Low water absorption
- Increased wall thickness
- High continuous service temperature



Heavy Construction

Extruded Tubing – PTFE, FEP, PFA, ETFE

Heavy construction tubing is supplied in natural color unless otherwise specified. Heavy construction tubing is available in custom Pantone or Zeus standard colors, on coils or spools in long lengths, and as custom cut pieces upon request. Free samples available upon request.

HEAVY CONSTRUCTION TUBING						
FRACTIONAL SIZES (OUTSIDE DIAMETER)	OUTSIDE DIAMETER (OD)		INSIDE DIAMETER (ID)		NOMINAL WALL THICKNESS	
	in.	mm	in.	mm	in.	mm
1/4	0.250 ± 0.005	6.350 ± 0.130	0.125 ± 0.005	3.175 ± 0.130	0.063	1.60
5/16	0.313 ± 0.005	7.950 ± 0.130	0.188 ± 0.005	4.775 ± 0.130	0.063	1.60
3/8	0.375 ± 0.005	9.525 ± 0.130	0.250 ± 0.005	6.350 ± 0.130	0.063	1.60
7/16	0.438 ± 0.005	11.125 ± 0.130	0.313 ± 0.005	7.950 ± 0.130	0.063	1.60
1/2	0.500 ± 0.006	12.700 ± 0.150	0.375 ± 0.006	9.525 ± 0.150	0.063	1.60
9/16	0.563 ± 0.006	14.300 ± 0.150	0.438 ± 0.006	11.125 ± 0.150	0.063	1.60
5/8	0.625 ± 0.006	15.875 ± 0.150	0.500 ± 0.006	12.700 ± 0.150	0.063	1.60
11/16	0.688 ± 0.006	17.475 ± 0.150	0.563 ± 0.006	14.300 ± 0.150	0.063	1.60
3/4	0.750 ± 0.006	19.050 ± 0.150	0.625 ± 0.006	15.875 ± 0.150	0.063	1.60
13/16	0.813 ± 0.006	20.650 ± 0.150	0.688 ± 0.006	17.475 ± 0.150	0.063	1.60
7/8	0.875 ± 0.006	22.225 ± 0.150	0.750 ± 0.006	19.050 ± 0.150	0.063	1.60
15/16	0.938 ± 0.006	23.825 ± 0.150	0.813 ± 0.006	20.650 ± 0.150	0.063	1.60
1	1.000 ± 0.010	25.400 ± 0.25	0.875 ± 0.010	22.225 ± 0.250	0.063	1.60