

Heavy Wall Tubing

Extruded Tubing – ETFE, FEP, PFA, PTFE



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

Overview

Heavy wall tubing is ideal for applications that need AWG tubing but with an increased wall thickness. This additional wall increases burst pressure and provides added protection against abrasion. Analytical applications rely on the chemical resistance of heavy wall tubing commonly available in ETFE, FEP, PFA, and PTFE. Heavy wall tubing provides the same properties of our typical fluoropolymer tubing but with added strength.

Heavy wall tubing may also be available in other resins than those described above. Ask us about customizing your next heavy wall tubing.



CHEMICAL RESISTANCE



COEFFICIENT OF FRICTION



CONTINUOUS SERVICE TEMP

Applications

- *Fluid management*
- *Laboratory, analytical tubing*
- *Industrial tubing*
- *Medical instruments*

Capabilities and Sizing

- *Available in PTFE, FEP, PFA, and ETFE*
- *AWG size 5 to 24*
- *Fractional sizes specified by 5/32" ID*
- *Custom sizes and tolerances*

Key Properties

- *Strength*
- *Higher burst pressure*
- *Increased wall thickness*
- *Abrasion resistant*
- *Chemically resistant*
- *High continuous service temperature*



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Heavy wall tubing is supplied in natural color unless otherwise specified. Heavy wall tubing is available in custom Pantone or Zeus standard colors, on coils or spools in long lengths, and as custom cut pieces upon request. PTFE heavy wall tubing complies with ASTM 3295. Free samples available upon request.

INSIDE DIAMETER							WALL THICKNESS			
AWG	ID MINIMUM		ID NOMINAL		ID MAXIMUM		WALL NOMINAL		TOLERANCE	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
24	0.020	0.508	0.022	0.558	0.026	0.660	0.016	0.406	± 0.003	± 0.076
*23	0.024	0.609	0.027	0.685	0.030	0.762	0.016	0.406	± 0.003	± 0.076
22	0.025	0.635	0.029	0.723	0.032	0.812	0.016	0.406	± 0.003	± 0.076
*21	0.030	0.762	0.033	0.838	0.036	0.914	0.016	0.406	± 0.003	± 0.076
20	0.032	0.8128	0.036	0.914	0.040	1.016	0.018	0.457	± 0.003	± 0.076
19	0.036	0.914	0.040	1.016	0.044	1.117	0.020	0.508	± 0.004	± 0.102
18	0.040	1.016	0.045	1.130	0.049	1.244	0.020	0.508	± 0.004	± 0.102
17	0.045	1.143	0.050	1.257	0.054	1.371	0.020	0.508	± 0.004	± 0.102
16	0.051	1.295	0.056	1.422	0.061	1.549	0.020	0.508	± 0.004	± 0.102
15	0.057	1.447	0.062	1.574	0.067	1.701	0.020	0.508	± 0.004	± 0.102
14	0.064	1.625	0.069	1.752	0.074	1.879	0.020	0.508	± 0.004	± 0.102
13	0.072	1.828	0.077	1.955	0.082	2.082	0.020	0.508	± 0.004	± 0.102
12	0.081	2.057	0.086	2.184	0.091	2.311	0.020	0.508	± 0.004	± 0.102
11	0.091	2.311	0.096	2.438	0.101	2.565	0.020	0.508	± 0.004	± 0.102
10	0.102	2.590	0.107	2.717	0.112	2.844	0.025	0.635	± 0.005	± 0.127
9	0.114	2.895	0.119	3.022	0.124	3.149	0.025	0.635	± 0.005	± 0.127
8	0.129	3.276	0.135	3.429	0.141	3.581	0.030	0.762	± 0.005	± 0.127
7	0.144	3.657	0.151	3.835	0.158	4.013	0.030	0.762	± 0.005	± 0.127
6	0.162	4.114	0.170	4.318	0.178	4.521	0.030	0.762	± 0.005	± 0.127
5	0.182	4.622	0.190	4.826	0.198	5.029	0.032	0.812	± 0.005	± 0.127
FRACTIONAL SIZES SPEC'D BY ID/OD	OD		ID		NOMINAL WALL THICKNESS					
	in.	mm	in.	mm	in.	mm	in.	mm		
5/32**	0.250 ± 0.005		6.350 ± 0.127		0.156 ± 0.005		3.962 ± 0.127		0.047	1.190

*AWG 23 & AWG 21 not covered under ASTM 3295 -Class 5.

**This Product is specified as HW and dimensionally manufactured to ID/OD.