



PROFESSIONAL PLASTICS, INC.

Leading Global Supplier of Engineered Plastic Shapes

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PTFE HS 2:1 AWG Heat Shrink

Fluoropolymer heat shrink provides the ideal method for the application of a tight, protective jacketing to items that ultimately will be subjected to extremes of heat, corrosion, shock, moisture, or other critical environmental conditions. The application of heat shrink tubing extends the life of such items indefinitely and assures their reliable performance.

PTFE Heat Shrink has ratios 2:1 and 4:1. The product requires 650°F +/- 25° (340°C +/- 5°) to recover. We recommend pre-heating large diameter mandrels and giving sufficient time for recovery. The mandrel being covered must be able to withstand this range of temperature, and even heating and cooling of all sides will provide the best result. Customized Sub-Lite-Wall® sizes are also available.

2:1 Shrink Ratio AWG Sizes

Standard Wall				
Ordered as AWG Size	Expanded I.D. Min (inches)	Recovered I.D. Max (inches)	Recovered Wall Thickness (inches)	
			Nom.	Tol. +/-
30	0.034	0.015	0.009	0.002
28	0.038	0.018	0.009	0.002
26	0.046	0.022	0.010	0.002
24	0.050	0.027	0.012	0.002
22	0.055	0.032	0.012	0.002
20	0.060	0.039	0.016	0.003
19	0.065	0.043	0.016	0.003
18	0.076	0.049	0.016	0.003
17	0.085	0.054	0.016	0.003
16	0.093	0.061	0.016	0.003
15	0.110	0.067	0.016	0.003
14	0.120	0.072	0.016	0.003
13	0.140	0.080	0.016	0.003
12	0.150	0.089	0.016	0.003
11	0.170	0.101	0.016	0.003
10	0.191	0.112	0.016	0.003
9	0.205	0.124	0.020	0.004
8	0.240	0.141	0.020	0.004
7	0.270	0.158	0.020	0.004
6	0.302	0.178	0.020	0.004
5	0.320	0.198	0.020	0.004
4	0.370	0.224	0.020	0.004
3	0.390	0.249	0.020	0.004
2	0.430	0.278	0.020	0.004
1	0.450	0.311	0.020	0.004
0	0.470	0.347	0.020	0.004

Thin Wall

Ordered as AWG Size	Expanded I.D. Min (inches)	Recovered I.D. Max (inches)	Recovered Wall Thickness (inches)		M23053/12 PTFE
			Nom.	Tol. +/-	
30	0.034	0.015	0.009	0.002	301
28	0.038	0.018	0.009	0.002	302
26	0.046	0.022	0.010	0.002	303
24	0.050	0.027	0.010	0.002	304
22	0.055	0.032	0.012	0.002	305
20	0.060	0.039	0.012	0.003	306
19	0.065	0.043	0.012	0.003	307
18	0.076	0.049	0.012	0.003	308
17	0.085	0.054	0.012	0.003	309
16	0.090	0.061	0.012	0.003	310
15	0.110	0.067	0.012	0.003	311
14	0.120	0.072	0.012	0.003	312
13	0.140	0.080	0.012	0.003	313
12	0.150	0.089	0.012	0.003	314
11	0.170	0.101	0.012	0.003	316
10	0.191	0.112	0.012	0.003	317
9	0.205	0.124	0.015	0.004	318
8	0.240	0.141	0.015	0.004	320
7	0.270	0.158	0.015	0.004	321
6	0.302	0.178	0.015	.004	322
5	0.320	0.198	0.015	0.004	323
4	0.370	0.224	0.015	0.004	324
3	0.390	0.249	0.015	0.004	325
2	0.430	0.278	0.015	0.004	327
1	0.450	0.311	0.015	0.004	328
0	0.470	0.347	0.015	0.004	330

Lightweight Wall

Ordered as AWG Size	Expanded I.D. Min (inches)	Recovered I.D. Max (inches)	Recovered Wall Thickness (inches)	
			Nom.	Tol. +/-
30	0.034	0.015	0.006	.002
28	0.038	0.018	0.006	.002
26	0.046	0.022	0.006	.002
24	0.050	0.025	0.006	.002
22	0.055	0.031	0.006	.002
20	0.060	0.038	0.006	.002
19	0.065	0.043	0.006	.002
18	0.076	0.046	0.006	.002
17	0.085	0.054	0.006	.002
16	0.090	0.057	0.006	.002
15	0.110	0.063	0.006	.002
14	0.120	0.072	0.008	.002
13	0.140	0.080	0.008	.002
12	0.150	0.089	0.008	.002
11	0.170	0.099	0.008	.002
10	0.191	0.110	0.008	.002
9	0.205	0.122	0.008	.002
8	0.240	0.139	0.008	.002
7	0.270	0.154	0.008	.002
6	0.302	0.172	0.010	.003
5	0.320	0.192	0.010	.003
4	0.370	0.214	0.010	.003
3	0.390	0.241	0.010	.003
2	0.430	0.270	0.010	.003
1	0.450	0.301	0.010	.003
0	0.470	0.347	0.012	.003

Metric Dimensions

Standard Wall (Metric)

Ordered as AWG Size	Expanded I.D. Min (mm)	Recovered I.D. Max (mm)	Recovered Wall Thickness (mm)	
			Nom.	Tol. +/-
24	1.27	0.69	0.30	.05
22	1.40	0.81	0.30	.05
20	1.52	0.99	0.41	.08
19	1.65	1.09	0.41	.08
18	1.93	1.24	0.41	.08
17	2.16	1.37	0.41	.08
16	2.36	1.55	0.41	.08
15	2.79	1.70	0.41	.08
14	3.05	1.83	0.41	.08
13	3.56	2.03	0.41	.08
12	3.81	2.26	0.41	.08
11	4.32	2.57	0.41	.08
10	4.85	2.84	0.41	.08
9	5.21	3.15	0.51	.10
8	6.10	3.58	0.51	.10
7	6.86	4.01	0.51	.10
6	7.67	4.52	0.51	.10
5	8.13	5.03	0.51	.10
4	9.40	5.69	0.51	.10
3	9.91	6.32	0.51	.10
2	10.92	7.06	0.51	.10
1	11.43	7.90	0.51	.10
0	11.94	8.81	0.51	.10

Thin Wall (Metric)

Ordered as AWG Size	Expanded I.D. Min (mm)	Recovered I.D. Max (mm)	Recovered Wall Thickness (mm)		M23053/12 PTFE
			Nom.	Tol. +/-	
30	0.86	0.38	0.23	.05	301
28	0.96	0.46	0.23	.05	302
26	1.17	0.56	0.25	.05	303
24	1.27	0.69	0.25	.05	304
22	1.40	0.81	0.30	.08	305
20	1.52	0.99	0.30	.08	306
19	1.65	1.09	0.30	.08	307
18	1.93	1.24	0.30	.08	308
17	2.16	1.37	0.30	.08	309
16	2.29	1.55	0.30	.08	310
15	2.79	1.70	0.30	.08	311
14	3.05	1.83	0.30	.08	312
13	3.56	2.03	0.30	.08	313
12	3.81	2.26	0.30	.08	314
11	4.32	2.57	0.30	.08	316
10	4.85	2.84	0.30	.08	317
9	5.21	3.15	0.38	.10	318
8	6.10	3.58	0.38	.10	320
7	6.86	4.01	0.38	.10	321
6	7.67	4.52	0.38	.10	322
5	8.13	5.03	0.38	.10	323
4	9.40	5.69	0.38	.10	324
3	9.91	6.32	0.38	.10	325
2	10.92	7.06	0.38	.10	327
1	11.43	7.90	0.38	.10	328
0	11.94	8.81	0.38	.10	330

Lightweight Wall (Metric)

Ordered as AWG Size	Expanded I.D. Min (mm)	Recovered I.D. Max (mm)	Recovered Wall Thickness (mm)	
			Nom.	Tol. +/-
30	0.86	0.38	0.15	.05
28	0.96	0.46	0.15	.05
26	1.17	0.56	0.15	.05
24	1.27	0.69	0.15	.05
22	1.40	0.81	0.15	.05
20	1.52	0.99	0.15	.05
19	1.65	1.09	0.15	.05
18	1.93	1.24	0.15	.05
17	2.16	1.37	0.15	.05
16	2.29	1.55	0.15	.05
15	2.79	1.70	0.15	.05
14	3.05	1.83	0.20	.05
13	3.56	2.03	0.20	.05
12	3.81	2.26	0.20	.05
11	4.32	2.57	0.20	.05
10	4.85	2.84	0.20	.05
9	5.21	3.15	0.20	.05
8	6.10	3.58	0.20	.05
7	6.86	4.01	0.20	.05
6	7.67	4.52	0.25	.08
5	8.13	5.03	0.25	.08
4	9.40	5.69	0.25	.08
3	9.91	6.32	0.25	.08
2	10.92	7.06	0.25	.08
1	11.43	7.90	0.25	.08
0	11.94	8.81	0.30	.08

* Custom specifications and tolerances upon request
AMS-DTL-23053/12

Packaging

Four foot sticks of Heat Shrink Tubing are standard packaging lengths. Shorter or longer lengths are available upon request. Extremely long continuous lengths are sometimes available depending on specifications. Inquire for feasibility and pricing.



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