



PROFESSIONAL PLASTICS, INC.

Leading Global Supplier of Engineered Plastic Shapes

USA Phone (888) 995-7767 – Asia Phone +65-6266-6193

E-Mail: sales@proplas.com Website: www.professionalplastics.com

PTFE HS 2:1 Fractional 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.

Standard Wall					
Ordered as Size	Expanded I.D. Min (inches)	Recovered I.D. Max (inches)	Recovered Wall Thickness (inches)		
			Nom.	Tol. (+/-)	
1/8	0.215	0.130	0.020	0.004	
1/4	0.410	0.260	0.020	0.004	
5/16	0.470	0.329	0.020	0.004	
3/8	0.560	0.399	0.025	0.006	
7/16	0.655	0.462	0.025	0.006	
1/2	0.750	0.524	0.025	0.006	
5/8	0.930	0.655	0.030	0.006	
3/4	1.125	0.786	0.035	0.008	
7/8	1.310	0.911	0.035	0.008	
1	1.500	1.036	0.035	0.008	

Thin Wall					
Ordered as Size	Expanded I.D. Min (inches)	Recovered I.D. Max (inches)	Recovered Wall Thickness (inches)		
			Nom.	Tol. (+/-)	
1/8	0.215	0.130	0.015	0.003	
1/4	0.410	0.260	0.015	0.003	
5/16	0.470	0.329	0.015	0.003	
3/8	0.560	0.399	0.015	0.003	
7/16	0.655	0.462	0.018	0.004	
1/2	0.750	0.524	0.018	0.004	
5/8	0.930	0.655	0.020	0.004	
3/4	1.125	0.786	0.025	0.005	
7/8	1.310	0.911	0.030	0.006	
1	1.500	1.036	0.030	0.006	

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Industrial Wall

Ordered as Size	Expanded I.D. Min (inches)	Recovered I.D. Max (inches)	Recovered Wall Thickness (inches)	
			Nom.	Tol. (+/-)
1/8	0.166	0.130	0.030	0.005
3/16	0.250	0.193	0.030	0.005
1/4	0.333	0.257	0.030	0.005
5/16	0.415	0.320	0.030	0.005
3/8	0.498	0.383	0.030	0.005
7/16	0.580	0.448	0.030	0.006
1/2	0.666	0.510	0.030	0.006
9/16	0.748	0.572	0.030	0.006
5/8	0.830	0.637	0.030	0.006
11/16	0.915	0.700	0.032	0.006
3/4	1.000	0.764	0.040	0.007
7/8	1.170	0.891	0.045	0.007
1	1.330	1.020	0.050	0.008

Lightweight Wall

Ordered as Size	Expanded I.D. Min (inches)	Recovered I.D. Max (inches)	Recovered Wall Thickness (inches)	
			Nom.	Tol. (+/-)
1/8	0.215	0.130	0.008	0.002
1/4	0.410	0.260	0.010	0.003
5/16	0.470	0.329	0.012	0.003

Metric Dimensions

Standard Wall (Metric)

Ordered as Size	Expanded I.D. Min (mm/inches)	Recovered I.D. Max (mm/inches)	Recovered Wall Thickness (mm/inches)	
			Nom.	Tol. (+/-)
1/8	5.46	3.30	0.51	.10
1/4	10.41	6.60	0.51	.10
5/16	11.94	8.36	0.51	.10
3/8	14.22	10.13	0.64	.15
7/16	16.64	11.73	0.64	.15
1/2	19.05	13.31	0.64	.15
5/8	23.62	16.64	0.76	.15
3/4	28.58	19.96	0.89	.20
7/8	33.27	23.14	0.89	.20
1	38.10	26.31	0.89	.20

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Thin Wall (Metric)				
Ordered as Size	Expanded I.D. Min (mm/inches)	Recovered I.D. Max (mm/inches)	Recovered Wall Thickness (mm/inches)	
			Nom.	Tol. (+/-)
1/8	5.46	3.30	0.38	.08
1/4	10.41	6.60	0.38	.08
5/16	11.94	8.36	0.38	.08
3/8	14.22	10.13	0.38	.08
7/16	16.64	11.73	0.46	.10
1/2	19.05	13.31	0.46	.10
5/8	23.62	16.64	0.51	.10
3/4	28.58	19.96	0.64	.13
7/8	33.27	23.14	0.76	.15
1	38.10	26.31	0.76	.15

Industrial Wall (Metric)				
Ordered as Size	Expanded I.D. Min (mm/inches)	Recovered I.D. Max (mm/inches)	Recovered Wall Thickness (mm/inches)	
			Nom.	Tol. (+/-)
1/8	4.22	3.30	0.76	.13
3/16	6.35	4.90	0.76	.13
1/4	8.46	6.53	0.76	.13
5/16	10.54	8.13	0.76	.13
3/8	12.65	9.73	0.76	.13
7/16	14.73	11.38	0.76	.15
1/2	16.92	12.95	0.76	.15
9/16	19.00	14.53	0.76	.15
5/8	21.08	16.18	0.76	.15
11/16	23.24	17.78	0.81	.15
3/4	25.40	19.41	0.1.02	.18
7/8	29.72	22.63	0.1.14	.18
1	33.78	25.91	0.1.27	.20

Lightweight Wall (Metric)				
Ordered as Size	Expanded I.D. Min (mm/inches)	Recovered I.D. Max (mm/inches)	Recovered Wall Thickness (mm/inches)	
			Nom.	Tol. (+/-)
1/8	5.46	3.30	0.20	.05
1/4	10.41	6.60	0.25	.07
5/16	11.94	8.36	0.30	.07

* 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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