
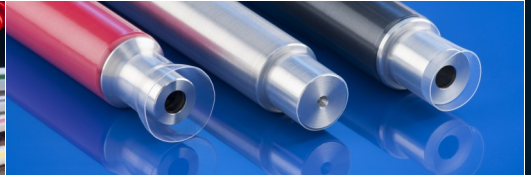


adtech
Innovations in Fluoroplastics

PTFE Heat Shrink Sleeving

PTFE heat shrink is made from pure virgin PTFE with no fillers or additives, and therefore offers all the exceptional properties of PTFE.

PTFE's high working temperature exceeds that of any other heat shrink polymer. In addition, it is completely resistant to virtually all chemicals, UV radiation, very high temperatures and voltage breakdown.

PTFE heat shrink sleeving is available in many standard sizes from 0.8mm to 51mm ID, in 4:1 and 2:1 shrink ratios, and the shrinking temperature is 327°C. As a result, very complex shapes or terminals can be covered.

PTFE Heat Shrink Unique Properties

- Total chemical and solvent resistance
- Working temperature from -200°C to +260°C
- Remains flexible at cryogenic temperatures
- Very low coefficient of friction
- Non-stick surface
- Extremely high electrical resistance
- Very low dielectric loss at high frequencies
- Total resistance to UV radiation
- Naturally non-inflammable
- Non-toxic

Technical Data for PTFE Heat Shrink

Before Shrinking		After Shrinking	
Shrink temperature	330°C (approx.)	**Chemical & solvent resistance**	Virtually total
Shrink ratio	2:1 or 4:1 nominal	**Hardness**	D55
Shelf life	Infinite	**UV resistance**	Completely unaffected
Max storage temperature	100°C	**Water absorption**	0.01%
Colour	Translucent	**Coefficient of friction**	0.01
Toxicity	Completely non-toxic	**Flammability**	Non-inflammable (naturally)
Working temperature	-200° to +260°C	**Radiation resistance**	0.3 megarad
Length change on shrinking	-/+12%	**Melt temperature (for sealing)**	Does not melt

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PTFE 4:1 Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
TR20	1.98	0.64	0.22
TR32	3.18	0.94	0.25
TR48	4.75	1.27	0.30
TR64	6.35	1.60	0.30
TR80	7.92	2.00	0.30
TR95	9.52	2.44	0.30
TR111	11.13	2.85	0.30
TR125	12.70	3.66	0.38
TR143	14.27	3.94	0.38
TR158	15.88	4.52	0.38
TR175	17.45	5.03	0.38
TR190	19.05	5.70	0.38
TR222	22.23	6.20	0.38
TR254	25.40	7.06	0.38
TR317	31.75	8.82	0.38
TR381	38.00	10.20	0.38
TR444	44.44	11.00	0.38
TR508	50.80	12.70	0.38

PTFE 2:1 Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
HST30T	0.86	0.38	0.23
HST28T	0.97	0.46	0.23
HST26T	1.17	0.56	0.23
HST24T	1.27	0.64	0.25
HST22T	1.40	0.80	0.25
HST20T	1.52	0.97	0.30
HST19T	1.65	1.10	0.30
HST18T	1.93	1.17	0.30
HST17T	2.15	1.38	0.30
HST16T	2.35	1.45	0.30
HST15T	2.80	1.60	0.30
HST14T	3.00	1.80	0.30
HST13T	3.55	2.03	0.30
HST12T	3.81	2.26	0.30
HST11T	4.32	2.50	0.30
HST10T	4.85	2.80	0.30
HST09T	5.20	3.10	0.38
HST08T	6.10	3.55	0.38
HST07T	6.85	3.90	0.38
HST06T	7.67	4.40	0.38
HST05T	8.10	4.90	0.38
HST04T	9.40	5.45	0.38
HST03T	9.90	6.12	0.38
HST02T	10.90	6.90	0.38
HST00T	11.95	8.56	0.38

Fume Precautions during heat shrinking: Like all plastics and rubber, fluoroplastics decompose at high temperatures and give off unpleasant fumes. Unlike other polymers, the fumes from fluoroplastics are odourless and therefore, may not be noticed during overheating of the material. Ample ventilation must always be provided when heating these heat shrink materials above 300°C. Where they are used in a production process, extraction equipment is recommended.

For more information about our PTFE Heat Shrink Sleeving, please visit adtech.co.uk

For other custom sizes or technical assistance, contact our customer service team:

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