

# PTFE Heat Shrink Tubing

## Thin Wall

pro-POWER

RoHS  
Compliant



### Descriptions:

Is a single thin wall heat shrinkable PTFE tubing. Upon the application of heat in excess of 350°C the tubing shrinks and conforms to the geometry of the part to be covered. Stiffness, combined with chemical inertness, makes it an excellent strain relief for high temperature electrical connections with contaminated environments

### Features:

- Virgin Polytetrafluoroethylene resin BPA and DEHP free
- 2:1 Shrink Ratio
- Chemically inert
- Lowest coefficient of friction
- Superior dielectric strength
- Exceptional heat resistance
- Self extinguishing
- Non-wetting

### Applications

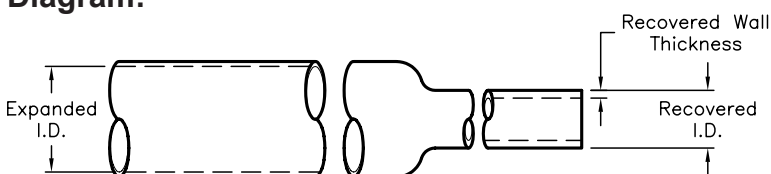
- Electrical Insulation
- Protective Cover
- Electronic Harness
- Laboratory

### Specifications:

Colour	: Translucent to opaque white
Shrinkage Longitudinal	: ±20%
Dielectric Strength	: > 1,400V/MIL
Dielectric Constant	: 2.2 @ 100 Hz to 60 MHz
Volume Resistivity	: >10 <sup>18</sup> CM Min.
Tensile Strength	: 2,000 PSI Min.
Specific Gravity	: 2.13 to 2.2 g/cm <sup>2</sup>
Min. Shrink Temperature	: 350°C (662°F)
Operating Temperature	: -75°C (-100°F) to +260°C (+500°F)
Applicable Specification	: AMS-DTL-23053/12A Class 3, AMS 3585, ASTM D2902, Type 1
Water Absorption	: ≤ 0.01%
Flammability	: Resin UL94V-0
Flexibility	: 2 (Material is rated on scale of 1 to 10 for Flexibility 1 = Most Flexible and 10 = Most Rigid)

Excellent fungus, Oil, acid, and solvent resistance

### Diagram:



[www.element14.com](http://www.element14.com)  
[www.farnell.com](http://www.farnell.com)  
[www.newark.com](http://www.newark.com)  
[www.cpc.co.uk](http://www.cpc.co.uk)

pro-POWER

# PTFE Heat Shrink Tubing

## Thin Wall



Dimensions				Standard Packages					
Size AWG	Inside Diameter		Recovered Nominal Wall Thickness (Inches)	2 Foot Lengths			6 Inch Lengths		
	Expanded I.D. (Min.) Inches	Expanded I.D. (Max.) Inches		Part Number	Pcs.	Total Footage (feet)	Part Number	Pcs.	Total Footage (feet)
16	0.093	0.061	0.012 ±0.003	TTS-S16-2050-NAT	50	100	TTS-S16-6016-NAT	16	8
16	0.093	0.061	0.012 ±0.003	-	-	-	TTS-S16-6016-NAT-BULK	500	250
14	0.12	0.072	0.012 ±0.003	TTS-S14-2050-NAT	50	100	TTS-S14-6014-NAT	14	7
12	0.15	0.089	0.012 ±0.003	TTS-S12-2025-NAT	25	50	TTS-S12-6014-NAT	14	7
10	0.191	0.112	0.012 ±0.003	TTS-S10-2025-NAT	25	50	TTS-S10-6012-NAT	12	6
8	0.24	0.141	0.015 ±0.004	TTS-S08-2025-NAT	25	50	TTS-S08-6010-NAT	10	5
6	0.302	0.178	0.015 ±0.004	TTS-S06-2010-NAT	10	20	TTS-S06-6008-NAT	8	4
4	0.37	0.224	0.015 ±0.004	TTS-S04-2010-NAT	10	20	TTS-S04-6006-NAT	6	3
2	0.43	0.278	0.015 ±0.004	-	-	-	TTS-S02-6004-NAT	4	2
0	0.47	0.347	0.015 ±0.004	TTS-S00-2010-NAT	10	20	TTS-S00-6003-NAT	3	1.5

### Part Number Table

Description	Part Number
PTFE Heat Shrink Tubing, Thin Wall	TTS-S16-2050-NAT
	TTS-S14-2050-NAT
	TTS-S12-2025-NAT
	TTS-S10-2025-NAT
	TTS-S08-2025-NAT
	TTS-S06-2010-NAT
	TTS-S04-2010-NAT
	TTS-S00-2010-NAT
	TTS-S16-6016-NAT
	TTS-S16-6016-NAT-BULK
	TTS-S14-6014-NAT
	TTS-S12-6014-NAT
	TTS-S10-6012-NAT
	TTS-S08-6010-NAT
	TTS-S06-6008-NAT
	TTS-S04-6006-NAT
TTS-S02-6004-NAT	
TTS-S00-6003-NAT	

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell Limited 2016.