

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
- 2:1 Shrink Ratio
- Chemically inert
- Lowest coefficient of friction
- Superior dielectric strength
- Exceptional heat resistance
- Self extinguishing
- Non-wetting

Applications

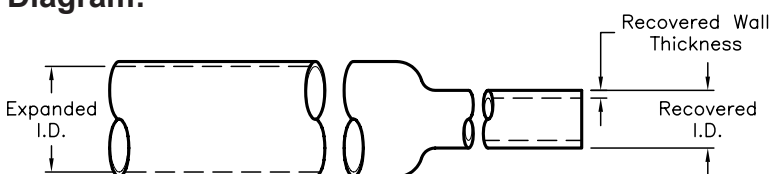
- Electrical Insulation
- Protective Cover
- Electronic Harness
- Laboratory

Specifications:

Colour	: Translucent to opaque white
Shrinkage Longitudinal	: $\pm 20\%$
Dielectric Strength	: $> 1,400\text{V/MIL}$
Dielectric Constant	: 2.2 @ 100 Hz to 60 MHz
Volume Resistivity	: $> 10\Omega^{18}$ CM Min.
Tensile Strength	: 2,000 PSI Min.
Specific Gravity	: 2.13 to 2.2 g/cm ²
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	: $\leq 0.01\%$
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
www.farnell.com
www.newark.com
www.cpc.co.uk

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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	

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