



HIGH TEMPERATURE POLYOLEFIN HEAT-SHRINKABLE TUBING

SHRINK RATIO 2:1 RoHS UL CERTIFIED VW-1 FLAME TEST

TS provides optimal insulation for cable assemblies, wire harnesses, and wire connections with a high temperature requirement. It is designed to provide resistance to abrasion, thermal heat, and fluids in demanding environments. It provides excellent protection for wire bundles as well.

TS Applications

High Temperature Insulation & Repair

Wire & Cable Harnessing & Bundling

Cable & Connector Protection

Available With an 125°C Operating Temperature Adhesive Line

Spools Used in Automatic Cutting Machine

Characteristics

Operating Temperature: -45° to 150° Celsius

Shrink Temperature: 125° Celsius

Flame Retardant VW-1

Shrink Ratio: 2:1

Environmentally Friendly

Specifications

Gamma	Minimum Expanded		Maximum Recovered		Recovered Thickness		Standard Packaging	
Part No.	as Supplied		After Heating		After Heating		Packaging	
W/ Size	Mm	Inch	Mm	Inch	Mm	Inch	Spool	100' FT
TS-3/64	1.2	0.046	0.60	0.023	0.40±0.08	0.016±0.003	1000'	100' FT
TS-1/16	1.6	0.063	0.80	0.031	0.43±0.08	0.017±0.003	1000'	100' FT
TS-3/32	2.4	0.093	1.20	0.046	0.51±0.08	0.020±0.003	500'	100' FT
TS-1/8	3.2	0.125	1.60	0.062	0.51±0.08	0.020±0.003	500'	100' FT
TS-3/16	4.8	0.1875	2.40	0.093	0.51±0.08	0.020±0.003	500'	100' FT
TS-1/4	6.4	0.250	3.20	0.125	0.64±0.08	0.025±0.003	250'	100' FT
TS-3/8	9.5	0.375	4.80	0.187	0.64±0.08	0.025±0.003	250'	20' FT
TS-1/2	12.7	0.500	6.40	0.25	0.64±0.08	0.025±0.003	100'	20' FT
TS-3/4	19.1	0.750	9.50	0.375	0.76±0.08	0.030±0.003	100'	20' FT
TS-1	25.4	1.000	12.70	0.5	0.89±0.12	0.035±0.005	100'	20' FT

Properties

Property	Test Method	Standard
Tensile Strength	ASTM D638	≥ 10.4MPa
Elongation at Break	ASTM D638	≥200%
Longitudinal Shrinkage	UL224	≤ 0.5%
Dielectric Strength	ASTM D150	≥15kv/mm
Volume Resistance	ASTM D876	≥10 ¹⁴ Ω .cm
Water Absorption	ASTM D570	≤ 0.5%
Copper Stability	UL224	No Corrosion

Color Code: 0=BLK, 1=BRN, 2=RED, 3=ORN, 4=YLW, 5=GRN, 6=BLU, 7=VIO, 8=GRY, 9=WHT, X=CLR

P/N Example: TS-1/4-0 = Black ¼" Tubing

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