



NEPTAPE® Data Sheet

High Temperature Shielding Tapes

NEPTAPE® NF235

Construction: 0.00200" (51μ) Nomex® aramid paper
0.00035" (9μ) aluminum foil

Description: Color coated shielding tape typically used in process control cable for continuous use in high temperature environments without disintegration.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0027 inches	69 microns	ASTM D374
Yield	72.6 ft ² /lb 1.15 lbs/mft @ 1" wide	14.9 m ² /kg 0.67 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	10,900 psi	75 MPa	Calculated
Break Strength	29 lbs/in width	51 N/10mm width	ASTM D882
Elongation at Break	8%	8%	ASTM D882
Dielectric Strength of Film	0.4 kV	0.4 kV	Supplier Data
Dielectric Constant of Film	1.6 (dimensionless)	1.6 (dimensionless)	Supplier Data
Density	NA	1.06 g/cm ³	Calculated
Melt Point of Film	NA	NA	Supplier Data
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Colors	Natural (White)		
Splice Type	#12, max. 5/pad for < 22" OD or max. 6/pad for > 22" OD Max. 1/1000' for traverse packages		
Standard Pad Put-ups	Core ID - 3" or 6" Pad OD - 12" or 18"		
Standard Traverse Put-ups	3" x 5.75" x 3.5" - narrow slit material 3" x 11" x 3"		

*ASTM Test Methods are listed for reference only. Actual testing performed according to modified equipment and conditions. Specific test methods available upon request.

The data presented here is intended for product selection purposes only. Typical properties represent data characteristics of the product, but do not necessarily reflect minimum values during normal testing. Specification data can be provided upon request.

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