



NEPTAPE® Data Sheet

High Temperature Shielding Tapes NEPTAPE® 1510

Construction: 0.00100" (25μ) polyimide film
0.00035" (9μ) aluminum foil

Description: High temperature laminate typically used to shield military and aircraft cables.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0014 inches	36 microns	ASTM D374
Yield	77.9 ft ² /lb 1.07 lbs/mft @ 1" wide	16.0 m ² /kg 0.63 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	24,800 psi	171 MPa	Calculated
Break Strength	35 lbs/in width	61 N/10mm width	ASTM D882
Elongation at Break	81%	81%	ASTM D882
Dielectric Strength of Film	6.0 kV	6.0 kV	Supplier Data
Dielectric Constant of Film	3.9 (dimensionless)	3.9 (dimensionless)	Supplier Data
Density	NA	1.65 g/cm ³	Calculated
Melt Point of Film	660°F	350°C	Supplier Data
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Colors	Natural (Gold)		
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.