



NEPTAPE® Data Sheet

High Temperature Shielding Tapes NEPTAPE® 1257

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

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

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0020 inches	51 microns	ASTM D374
Yield	45.3 ft ² /lb 1.84 lbs/mft @ 1" wide	9.3 m ² /kg 1.08 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	17,900 psi	123 MPa	Calculated
Break Strength	37 lbs/in width	64 N/10mm width	ASTM D882
Elongation at Break	54%	54%	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	2.02 g/cm ³	Calculated
Melt Point of Film	660°F	350°C	Supplier Data
Electrical Resistance	15 Ω/mft @ 1" wide	125 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.