NEPTCO Incorporated

NEPTAPE® Data Sheet

Coated / Fusible Shielding Tapes
NEPTAPE® 1005

Construction: 0.00080" (20µ) co-extruded polyester film
0.00100" (25µ) aluminum foil

Description: Thin gauge shielding laminate that bonds to conductors. Typically used as an economical tape to wrap and shield individual pairs in electronic cable.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0019 inches	49 microns	ASTM D374
Yield	49.1 ft^2/lb 1.70 lbs/mft @ 1" wide	10.1 m^2/kg 0.99 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	11,500 psi	79 MPa	Calculated
Break Strength	22 lbs/in width	39 N/10mm width	ASTM D882
Elongation at Break	60%	60%	ASTM D882
Dielectric Strength of Film	2.8 kV	2.8 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	2.06 g/cm^3	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Sealing Temperature	300-320°F	150-160°C	NEPTCO TM-008
Electrical Resistance	15 Ω/mft @1" wide	350 Ω/km @ 10mm wide	Supplier Data
Colors	Natural (Clear)/Blue/Red/Gold/Green - Other colors available upon request.		
Splice Type	#53, max. 5/pad for < 22" OD or 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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