NEPTCO Incorporated

NEPTAPE® Preliminary Data Sheet

Coated / Fusible Shielding Tapes
NEPTAPE® 1001E

Construction: 0.00035” (9µ) aluminum foil
0.00048” (12µ) polyester film
0.00010” (3µ) fusible olefin heat seal

Description: Thin gauge shielding laminate that bonds to polyethylene and itself at the overlap.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0011 inches	28 microns	ASTM D374
Yield	107.7 ft^2/lb 0.77 lbs/mft @ 1" wide	22.06 m^2/kg 0.45 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	12,600 psi	87 MPa	Calculated
Break Strength	13.9 lbs/in width	24 N/10mm width	ASTM D882
Elongation at Break	75%	75%	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	1.62 g/cm^3	Calculated
Max. Continuous Operating Temperature	175°F	80°C	100-115°C
Sealing Temperature	210-240°F	100-115°C	NEPTCO TM-008
Electrical Resistance	42 Ω/mft @1" wide	350 Ω/km @10mm wide	Supplier Data
Colors	Blue on fusible side, other colors available upon request		
Splice Type	#53, 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.

NEPTCO, Incorporated
Box 2323, 30 Hamlet Street
Pawtucket, RI 02861-0323 USA
TEL: 401-722-5500
FAX: 401-722-6378

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