NEPTCO Incorporated

NEPTAPE® Data Sheet

Coated / Fusible Shielding Tapes
NEPTAPE® 1139

Construction: 0.00015” (4µ) EAA fusible coating
0.00035” (9µ) aluminum foil
0.00090” (23µ) polypropylene film
0.00035” (9µ) aluminum foil

Description: Fusible three ply tape which bonds to polyethylene. Typically used in CATV drop cables to bond to the polyethylene foam core. Its high yield makes this product more economical relative to NEPTAPE® products of similar construction and function.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0020 inches	51 microns	ASTM D374
Yield	63.2 ft^2/lb 1.32 lbs/mft @1" wide	12.9 m^2/kg 0.77 kg/km@10mm wide	NEPTCO TM-002
Tensile Strength	15,900 psi	110 MPa	Calculated
Break Strength	31 lbs/in width	54 N/10mm width	ASTM D882
Elongation at Break	66%	66%	ASTM D882
Dielectric Strength of Film	3.8 kV	3.8 kV	Supplier Data
Dielectric Constant of Film	2.0 (dimensionless)	2.0 (dimensionless)	Supplier Data
Density	NA	1.60 g/cm^3	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Sealing Temperature	210-240°F	100-115°C	NEPTCO TM-008
Electrical Resistance	21 Ω/mft @1" wide	175 Ω/km @10mm wide	Supplier Data
Colors	Violet on fusible side		
Splice Type	#11, 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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