NEPTAPE® Data Sheet

Coated / Fusible Shielding Tapes
NEPTAPE® 1401F7

Construction: 0.00035” (9µ) aluminum foil
0.00048” (12µ) polyester film
0.00070” (18µ) EAA film

Description: HIGH-DRAW® fusible shielding laminate which offers exceptional draw characteristics, virtually eliminating foil breakup or “pinholes”. Provides resilient shielding in active cable assemblies or whenever tapes undergo mechanical strain during cable manufacture. This tape is designed to bond to a polyethylene core and to itself at overlap.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0016 inches	41 microns	ASTM D374
Yield	77.0 ft^2/lb 1.08 lbs/mft @ 1" wide	15.77 m^2/kg 0.63 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	12,500 psi	86 MPa	Calculated
Break Strength	20 lbs/in width	35 N/10mm width	ASTM D882
Elongation at Break	100%	100%	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	1.56 g/cm^3	Calculated
Max. Continuous Operating Temperature	175ºF	80ºC	Supplier Data
Sealing Temperature	210-240ºF	100-115ºC	NEPTCO TM-008
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Colors	Blue		
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.

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