



NEPTAPE® Data Sheet

SHIELDING TAPE - Film/Foil HIGH-DRAW® Laminates NEPTAPE® 1401

Construction: 0.00048" (12μ) polyester film
0.00035" (9μ) aluminum foil

Description: HIGH-DRAW® 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.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0009 inches	22 microns	ASTM D374
Yield	110.7 ft ² /lb 0.75 lbs/mft @ 1" wide	22.7 m ² /kg 0.44 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	20,600 psi	142 MPa	Calculated
Break Strength	19 lbs/in width	33 N/10mm width	ASTM D882
Elongation at Break	91%	91%	ASTM D882
Dielectric Strength of Film	2.8 kV	2.8 kV	Supplier Data
Dielectric Constant	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.93 g/cm ³	Calculated
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Draw Characteristics	7 Pinholes max. @ 33% elongation in 1/4" diameter area	7 Pinholes max. @ 33% elongation in 6.4 mm diameter area	NEPTCO TM022
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.