



NEPTAPE® Data Sheet

SHIELDING TAPE - Standard Film/Foil Laminates NEPTAPE® 1080

Construction: 0.00075" (19 μ) polyester film
0.00035" (9 μ) aluminum foil

Description: Shielding laminate constructed with relatively thin gauge film resulting in a higher yield, more conformable tape.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0012 inches	30 microns	ASTM D374
Yield	93.0 ft ² /lb 0.90 lbs/mft @ 1" wide	19.1 m ² /kg 0.53 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	20,400 psi	141 MPa	Calculated
Break Strength	24 lbs/in width	42 N/10mm width	ASTM D882
Elongation at Break	115%	115%	ASTM D882
Dielectric Strength of Film	3.5 kV	3.5 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.75 g/cm ³	Calculated
Electrical Resistance	42 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.