



Core Wrap / Separator Tapes NEPTAPE® M500

Construction: 0.00500" (127μ) polyester film

Description: Slit film which wraps and binds conductors, separating them from cable fillers and jacketing materials. Typically used in multiconductor cables.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0050 inches	127 microns	ASTM D374
Yield	27.6 ft ² /lb 3.02 lbs/mft @ 1" wide	5.7 m ² /kg 1.77 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	24,200 psi	167 MPa	Calculated
Break Strength	121 lbs/in width	211 N/10mm width	ASTM D882
Elongation at Break	153%	153%	ASTM D882
Dielectric Strength of Film	13.6 kV	13.6 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.40 g/cm ³	Calculated
Max. Continuous Operating Temperature	220°F	105°C	Supplier Data
Sealing Temperature	NA	NA	NEPTCO TM-008
Splice Type	#5, max. 6/pad or 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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