



NEPTAPE® Data Sheet

Core Wrap / Separator Tapes NEPTAPE® M50C

Construction: 0.00048" (12 μ) polyester film
0.00010" (3 μ) colored coating

Description: Colored, slit film which wraps and binds conductors, separating them from cable fillers. Colored coating provides easy verification of tape removal at termination in typical applications such as power cables.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0008 inches	20 microns	ASTM D374
Yield	244.9 ft ² /lb 0.34 lbs/mft @ 1" wide	50.2 m ² /kg 0.20 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	20,100 psi	139 MPa	Calculated
Break Strength	16 lbs/in width	28 N/10mm width	ASTM D882
Elongation at Break	116%	116%	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	1.30 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.