



NEPTAPE® Data Sheet

Core Wrap / Separator Tapes NEPTAPE® 6105

Construction: 0.00048" (12 μ) polyester film
0.00020" (5 μ) heat seal coating

Description: Heat sealable binding and insulating tape that fuses to polyethylene, PVC, and itself. Typically used in multiconductor cables to protect conductors from cable filling materials and jacketing compounds.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0007 inches	18 microns	ASTM D374
Yield	249.0 ft ² /lb 0.33 lbs/mft @ 1" wide	51.0 m ² /kg 0.20 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	21,000 psi	145 MPa	Calculated
Break Strength	16 lbs/in width	28 N/10mm width	ASTM D882
Elongation at Break	125%	125%	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	1.10 g/cm ³	Calculated
Max. Continuous Operating Temperature	220°F	105°C	Supplier Data
Sealing Temperature	260-290°F	130-145°C	NEPTCO TM-008
Splice Type	#6, 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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