



NEPTAPE® Data Sheet

Core Wrap / Separator Tapes NEPTAPE® 6110

Construction: 0.00092" (23 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	0.0011 inches	28 microns	ASTM D374
Yield	138.7 ft ² /lb 0.60 lbs/mft @1" wide	28.4 m ² /kg 0.35 kg/km@10mm wide	NEPTCO TM-002
Tensile Strength	23,800 psi	164 MPa	Calculated
Break Strength	27 lbs/in width	48 N/10mm width	ASTM D882
Elongation at Break	122%	122%	ASTM D882
Dielectric Strength of Film	4.0 kV	4.0 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.26 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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