



## Core Wrap / Separator Tapes NEPTAPE® FM300

**Construction:** 0.00200" (51μ) polyester film  
0.00100" (25μ) heat sealable copolymer

**Description:** Heavier grade heat sealable separator tape used to separate copper conductors, such as motor lead wires and a variety of other applications. Heat sealable copolymer bonds to PVC, polyethylene, and aluminum.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0033 inches	84 microns	ASTM D374
Yield	51.5 ft <sup>2</sup> /lb 1.62 lbs/mft @ 1" wide	10.5 m <sup>2</sup> /kg 0.95 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	19,200 psi	132 MPa	Calculated
Break Strength	63 lbs/in width	111 N/10mm width	ASTM D882
Elongation at Break	153%	153%	ASTM D882
Dielectric Strength of Film	7.7 kV	7.7 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.25 g/cm <sup>3</sup>	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Sealing Temperature	210-240°F	100-115°C	NEPTCO TM-008
Splice Type	#4, 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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