



## NEPTAPE® Data Sheet

# Core Wrap / Separator Tapes NEPTAPE® KT100

**Construction:** 0.00100" (25μ) polyimide film

**Description:** Polyimide core wrap for high temperature applications.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0010 inches	25 microns	ASTM D374
Yield	135.5 ft <sup>2</sup> /lb. 0.61 lbs/mft @ 1" wide	27.8 m <sup>2</sup> /kg 0.36 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	34,600 psi	239 MPa	Calculated
Break Strength	33 lbs/in width	57 N/10mm width	ASTM D882
Elongation at Break	80%	80%	ASTM D882
Dielectric Strength of Film	6.0 kV	6.0 kV	Supplier Data
Dielectric Constant of Film	3.9 (dimensionless)	3.9 (dimensionless)	Supplier Data
Density	NA	1.42 g/cm <sup>3</sup>	Calculated
Max. Continuous Operating Temperature	400°F	210°C	Supplier Data
Sealing Temperature	NA	NA	NEPTCO TM-008
Splice Type	#9, 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.