

Core Wrap / Separator Tapes

NEPTAPE® COR142

Construction: 0.0074" (188μ) corrugated polyester film

Description: A polyester film corrugated in the longitudinal direction that is typically used as a binder for multi-conductor energy cables. The corrugation feature of the film provides cushioning, which allows it to be used as a substitute for woven bedding tapes.

Typical Properties	US Customary	Metric	Test Method
Thickness: Base Film Corrugated	0.0014 inches 0.0074 inches	36 microns 188 microns	ASTM D374
Yield	98.5 ft ² /lb 0.85 lbs/mft @ 1" wide	20.17 m ² /kg 0.50 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	24,600 psi	170 MPa	Calculated
Break Strength	35 lbs/in width	61 N/10mm width	ASTM D882
Elongation at Break	135%	135%	ASTM D882
Dielectric Strength of Film	5.5 kV	5.5 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.40 g/cm ³	Calculated
Max. Continuous Operating Temperature	220°F	105°C	Supplier Data
Sealing Temperature	NA	NA	NEPTCO TM-008
Splice Type	#22, 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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