



NEPTAPE® Data Sheet

Core Wrap / Separator Tapes NEPTAPE® M500

Construction: 0.00500" (127 μ) polyester film

Description: Slit film which wraps and binds conductors, separating them from cable fillers and jacketing materials. Typically used in multiconductor cables.

| Typical Properties | US Customary | Metric | Test Method |
|---------------------------------------|---|--|------------------|
| Thickness | 0.0050 inches | 127 microns | ASTM D374 |
| Yield | 27.6 ft ² /lb 3.02 lbs/mft @ 1" wide | 5.7 m ² /kg 1.77 kg/km @ 10mm wide | NEPTCO TM-002 |
| Tensile Strength | 24,200 psi | 167 MPa | Calculated |
| Break Strength | 121 lbs/in width | 211 N/10mm width | ASTM D882 |
| Elongation at Break | 153% | 153% | ASTM D882 |
| Dielectric Strength of Film | 13.6 kV | 13.6 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 | #5, 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.