

## 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<br>Corrugated    | 0.0014 inches<br>0.0074 inches                            | 36 microns<br>188 microns                          | ASTM D374        |
| Yield                                 | 98.5 ft <sup>2</sup> /lb<br>0.85 lbs/mft @ 1" wide        | 20.17 m <sup>2</sup> /kg<br>0.50 kg/km @ 10mm wide | NEPTCO<br>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 <sup>3</sup>                             | 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"<br>Pad OD - 12" or 18"                 |  |                  |
| Standard Traverse Put-ups             | 3" x 5.75" x 3.5" - narrow slit material<br>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.

**NEPTCO, Incorporated**  
 Box 2323, 30 Hamlet Street  
 Pawtucket, RI 02861-0323 USA  
 TEL: 401-722-5500  
 FAX: 401-722-6378  
 www.neptco.com