



# POWERLINE® Cloth Tapes

## NEPTAPE® NTS311

**Construction:** Semi-conductive impregnated woven nylon fabric

**Description:** Semi-conductive impregnated woven nylon fabric. This product is used for binding and/or identification purposes. It is often employed as a separation layer. Nylon products of this thickness are commonly used to replace cotton based tapes.

| Typical Properties          | US Customary  | Metric  | Test Method      |
|-----------------------------|---|---|------------------|
| Thickness                   | 0.005 inches  | 127 microns                                       | NEPTCO TM-166    |
| Yield                       | 49 ft <sup>2</sup> /lb<br>1.7 lbs/mft @ 1" wide   | 10.04 m <sup>2</sup> /kg<br>1.0 kg/km @ 10mm wide | NEPTCO<br>TM-002 |
| Tensile Strength            | 16,400 psi  | 113 MPa   | Calculated       |
| Break Strength              | 82 lbs/in width   | 144 N/10mm width                                  | ASTM D882        |
| Elongation at Product Break | 40%   | 40%   | ASTM D882        |
| Surface Resistance          |   | 1,500 Ω per square                                | DIN IEC 167      |
| Volume Resistance           |   | 1 x 10 <sup>5</sup> Ω·cm                          | DIN 54345        |
| Short Term Stability        | 410°F   | 210°C   | Supplier Data    |
| Long Term Stability         | 293°F   | 145°C   | IEC 216          |
| Colors                      | Black   |   |                  |
| Splice Type                 | #51, max. 5/pad for <22" OD or max. 6/pad for >22" OD<br>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