

POWERLINE® Cloth Tapes

NEPTAPE® NGC20

Construction: Semi-conductive nonwoven polyester material

Description: Semi-conductive impregnated nonwoven polyester fabric that is often employed as a separation layer between cable core and insulation, or under metal shields. Polyester products of this thickness are commonly used to replace traditional cotton based tapes.

| Typical Properties | US Customary | Metric | Test Method |
|-----------------------------|---|---|------------------|
| Thickness | 0.008 inches | 203 microns | NEPTCO TM-166 |
| Yield | 49 ft ² /lb 1.7 lbs/mft @ 1" wide | 10.04 m ² /kg 1.0 kg/km @ 10mm wide | NEPTCO TM-002 |
| Tensile Strength | 4,300 psi | 30 MPa | Calculated |
| Break Strength | 34 lbs/in width | 60 N/10mm width | ASTM D882 |
| Elongation at Product Break | 12% | 12% | ASTM D882 |
| Surface Resistance | | 1,500 Ω per square | DIN IEC 167 |
| Volume Resistance | | 1 x 10 ⁶ Ω·cm | DIN 54345 |
| Short Term Stability | 446°F | 230°C | Supplier Data |
| Long Term Stability | 194°F | 90°C | IEC 216 |
| Colors | Black | | |
| Splice Type | #54, max. 5/pad for <22" OD or max. 6/pad for >22" OD 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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