Premium 37

Professional Grade Vinyl Electrical Tape

Technical Data Sheet

October 2017

Description and Features

A 0.18 mm (7 mil) all weather, professional grade, pressure sensitive vinyl tape which applies easily and gives excellent performance over a wide range of temperatures. Cold and weather resistant. Flame retardant. Premium 111 can be used as primary insulation for splices up to 600 Volts. Use as protective outer jacket over splices and for all low temperature applications.

- Cold and weather resistant
- Flame retardant
- High dielectric strength
- Highly elastic
- Highly conformable
- High UV resistance
- Highly resistant to sun, water, oil, acids, alkalies, corrosive chemicals
- Meets ASTM D-3005, Type I; EN 60454-3-1, Type 11; UL 510; CSA C 22.2 no. 197; Meets 2000/53/EC and RoHS 2011/65/EU directives

- Pb, Cd, Hg, Cr (VI) free

Materials

<table>
<thead>
<tr>
<th>Backing</th>
<th>Adhesive</th>
<th>Colors</th>
<th>Standard Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC</td>
<td>Rubber based</td>
<td>Red, White, Blue, Yellow, Orange, Violet, Brown, Grey, Green</td>
<td>Width x Length</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>19 mm x 20 m (0.75 in. x 66 ft.)</td>
</tr>
</tbody>
</table>

Other sizes available upon request

Technical Properties

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
<th>Typical Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness, (mm)</td>
<td>0,16±0,025</td>
<td>0,175</td>
<td>ASTM D 1000</td>
</tr>
<tr>
<td>Breaking strength (N/cm)</td>
<td>26 min</td>
<td>30</td>
<td>ASTM D 1000</td>
</tr>
<tr>
<td>Elongation at break (%)</td>
<td>220 min</td>
<td>260</td>
<td>ASTM D 1000</td>
</tr>
<tr>
<td>Adhesion to steel (N/cm)</td>
<td>1,8 min</td>
<td>2,2</td>
<td>ASTM D 1000</td>
</tr>
<tr>
<td>Adhesion to backing (N/cm)</td>
<td>1,8 min</td>
<td>2,2</td>
<td>ASTM D 1000</td>
</tr>
<tr>
<td>Flammability (seconds)</td>
<td>4 max</td>
<td>0</td>
<td>ASTM D 1000</td>
</tr>
<tr>
<td>Flaggging (mm)</td>
<td>3 max</td>
<td>0</td>
<td>ASTM D 1000</td>
</tr>
</tbody>
</table>

Temperature Rating (ºC)

- Maximum: 80, 80
- Minimum: -10, -10

- Dielectric Strength (kV)
  - Standard: 7 min, 8
  - Wet: 90%, 7.2

Dielectric Constant

- Standard: 3,2

Insulation Resistance (MO)

- Standard: 1x10⁶

Recommended Uses

Used for general splicing purposes. Can be used as primary insulation for splices up to 600 Volts. Provide a protective outer jacket over splices for all low temperature applications. Can be used for wrapping wire harnesses, and insulating degaussing coils.

Storage

In original packaging, placed in horizontal position under cover and temperature between 5ºC and 35 ºC, 50-80% R.H.

Shelf Life

60 months from date of manufacture.

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