



Premium 85

Professional Grade Vinyl Electrical Tape

Technical Data Sheet

January 2019

Description and Features

Premium 85 is a 0,21 mm (8,5 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 85** 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, alkalis, corrosive chemicals
- Meets ASTM D-3005, Type II; 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

Backing

PVC

Adhesive

Rubber based

Color

Black

Standard Size

Width x Length
19 mm x 20 m (0.75 in. x 66 ft.)
Other sizes available upon request

Characteristic

Thickness, (mm)
Breaking strength (N/cm)
Elongation at break (%)
Adhesion to steel (N/cm)
Adhesion to backing (N/cm)
Flammability (seconds)
Flagging (mm)
Temperature Rating (°C)
Maximum
Minimum
Dielectric Strength (kV)
-Standard
-Wet
Dielectric Constant
Insulation Resistance (MΩ)

Specification

0,21±0,025
35 min
260 min
1,8
1,8
4 max.
3 max.
80
105
-10
-18
9 min
90%
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Typical Value

0,205
38
300
2,2
2,2
0
0
80
105
-10
-18
10
9,1
3,2
1x10⁶

Test Method

ASTM D 1000
ASTM D 1000
ASTM D 1000
ASTM D 1000
ASTM D 1000
ASTM D 1000
ASTM D 1000
UL510
CSA C 22.2 no.197
UL510
CSA C 22.2 no 197
ASTM D 1000
ASTM D 1000
ASTM D 1000
ASTM D 1000

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 5°C and 35 °C, 50-80% R.H.

Shelf Life

60 months from date of manufacture.

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