



Premium 85

Professional Grade Vinyl Electrical Tape

Technical Data Sheet

October 2017

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, 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

Backing

Adhesive

Color

Standard Size

PVC

Rubber based

Black

Width x Length

19 mm x 20 m (0.75 in. x 66 ft.)

Other sizes available upon request

Characteristic

Specification

Typical Value

Test Method

Thickness, (mm)

0,21±0,025

0,205

ASTM D 1000

Breaking strength (N/cm)

35 min

38

ASTM D 1000

Elongation at break (%)

260 min

300

ASTM D 1000

Adhesion to steel (N/cm)

1,8

2,2

ASTM D 1000

Adhesion to backing (N/cm)

1,8

2,2

ASTM D 1000

Flammability (seconds)

4 max.

0

ASTM D 1000

Flagging (mm)

3 max.

0

ASTM D 1000

Temperature Rating (°C)

Maximum

80

80

UL510

105

105

CSA C 22.2 no.197

Minimum

-10

-10

UL510

-18

-18

CSA C 22.2 no 197

Dielectric Strength (kV)

-Standard

9 min

10

ASTM D 1000

-Wet

90%

8,1

ASTM D 1000

Dielectric Constant

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3,2

ASTM D 1000

Insulation Resistance (MΩ)

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1x10⁶

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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