



## 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

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

##### 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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1x10<sup>6</sup>

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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