



# Rubber Mastic (RM)

## Self-Bonding Mastic Tape

### Technical Data Sheet

October 2017

#### Description and Features

Rubber mastic is a self-bonding mastic tape consisting of an ethylene propylene rubber (EPR) backing, bonded to a tacky temperature stable, electrical grade mastic. Use for insulating and moisture sealing splices and terminations on solid dielectric cable. Provides excellent electrical properties, superior adhesion, moisture and chemical resistance. For primary insulation up to 2kV.

- Excellent electrical properties
- Superior adhesion
- UV resistant.
- Moisture, corrosion, and chemical resistant
- Suitable for direct burial and overhead applications

#### Materials

**Backing**  
EPR

**Adhesive**  
Mastic

**Color**  
Black

#### Standard Sizes

Width x Length

38 mm x 3 m (1,5" x 10')

51 mm x 3 m (2,0" x 10')

Other sizes available upon request

#### Technical Properties

#### Characteristic

Thickness (mm)  
Elongation (%)  
Operating temperature:  
  Continuous (°C)  
  Emergency overload (°C)  
Water absorption (%)  
Copper corrosion (visual)  
Ozone resistance (visual)  
UV Resistance  
Dielectric strength (kV/mm)  
Dielectric constant  
Dissipation factor  
Volume resistivity (Ω.cm)  
Insulation Resistance (MΩ)

#### Typical Value

1,65  
890  
90  
130  
0,10  
None  
Pass  
Pass  
20  
3,2  
0,025  
1x10<sup>15</sup>  
>1x10<sup>6</sup>

#### Test Method

ASTM D 4325  
ASTM D 412  
ASTM D 4325  
ASTM D 4325  
ASTM D 570  
ASTM D 69  
ASTM D 4325  
ASTM D 4325  
ASTM D 149  
ASTM D 150  
ASTM D 150  
ASTM D 257  
ASTM D 257

#### Recommended Uses

Use for insulating and moisture-sealing splices and terminations on solid dielectric cable. Can be wrapped, stretched or molded around irregular shapes for insulation build up, water sealing and surface protection. Ideal for Bus Bar insulation and corrosion protection.

#### Storage

In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C.

#### Shelf Life

60 months from date of manufacture.

Information provided is for reference only. Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own tests to determine the product's suitability for the intended use

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