



53 Plyarc[®]

Arc and Fire Proofing Tape

Technical Data Sheet

October 2017

Description and Features

53 Plyarc[®] is an unsupported, linerless, elastomeric tape possessing superior arc and flame resistance for cable protection in all types of applications. Unsupported construction offers excellent flexibility and conformability for easy application. When subjected to severe flame conditions, 53 Plyarc will generate a thermally insulating residue for cable protection. 53 Plyarc is water, chemical and UV resistant.

- Superior arc and flame resistance
- Resistant to water, sewage, chemical and oil
- Highly flexible and conformable
- Easy to apply
- UV resistant

Materials

Backing
Elastomeric
Compound

Adhesive
None

Color
Light grey

Standard Size

Width x Length
76 mm x 6,1 m (3 in. x 20 ft.)
Other sizes available upon request

Technical Properties

Characteristic

Thickness (mm)
Tensile strength (N/cm)
Elongation (%)
Thermal Conductivity ($\frac{W}{m \cdot K}$)

Typical Value

0,76
70
300
2,6

Test Method

ASTM D 4325
ASTM D 412
ASTM D 412
ASTM C 177
Con-Ed EO 5343-14
*BTM-814
ASTM D 149
ASTM D 257
Con-Ed EO 5343-14
Con-Ed EO 5343-14
Con-Ed EO 5343-14

Tidewater Resistance
Chemical Resistance
Dielectric Breakdown (kV)
Volume Resistivity ($\Omega \cdot \text{cm}$)
Flame Resistance
Bunsen Burner
Propane Torch
Plasma Torch (seconds)

Pass
Pass
15
4,4x10¹³
Pass
Pass
>110

Recommended Uses

For arc and fire proofing all types of cable and cable splices in manholes, cables trays, switch boxes, vaults and substations.

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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