



# 53 Plyarc<sup>®</sup>

## Arc and Fire Proofing Tape

Technical Data Sheet

October 2017

### Description and Features

**53 Plyarc<sup>®</sup>** 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 (  $\frac{W}{m^{\circ}K}$  )

#### 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 ( $\Omega.cm$ )  
Flame Resistance  
Bunsen Burner  
Propane Torch  
Plasma Torch (seconds)

Pass  
Pass  
15  
4,4x10<sup>13</sup>  
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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