

### FOR ARC AND FIRE PROOFING HIGH VOLTAGE & COMMUNICATION- CABLES AND SPLICES

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

**RECOMMENDED USES:** For arc and fire proofing all types of cable and cable splices in manholes, cable trays, switch boxes, vaults and substations.

### STANDARD SIZES:

- 1 1/2in. x 20 ft.  
38mm x 6m
- 3 in. x 20 ft.  
76mm x 6m

**DESCRIPTION:** 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.

### SPECIFICATIONS:

Property	Value	Unit	Test Method
<b>Physical</b>			
Color	Grey	---	---
Thickness	0,76	mm	ASTM D 1000
	0.030	inch	ASTM D 1000
Tensile Strength	40	lb/in	ASTM D 1000
	70	N/cm	ASTM D 1000
Elongation	300	%	ASTM D 1000
Thermal Conductivity	18.3	$\frac{\text{BTU}}{\text{hr}\cdot\text{ft}^2\cdot^{\circ}\text{F}}$	ASTM C 177

<b>Chemical</b>			
Tidewater Resistance	Pass	---	Con-Ed EO 5343-14
Chemical Resistance	None	---	*BTM-814

<b>Electrical</b>			
Dielectric Strength	15000	V	ASTM D 1000
Resistance	$4.4 \times 10^{13}$	ohms	ASTM D 257
<b>Flammability</b>			
Bunsen Burner	Pass	---	Con-Ed EO 5343-14
Propane Torch	Pass	---	Con-Ed EO 5343-14
Plasma Torch	>110	seconds	Con-Ed EO 5343-14

\*BTM – denotes Plymouth Test Method where no industry standard is applicable. Details available upon request.

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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