



# 53 Plyarc® Arc and Fire Proofing Tape

## Technical Data Sheet

November 2022

### 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	Adhesive	Color	Standard Size
	Elastomeric Compound	None	Light grey	Width x Length 76 mm x 6,1 m (3 in. x 20 ft.) Other sizes available upon request
Technical Properties	Characteristics		Typical Values	Test Method
	Thickness (mm)		0,76±0,076	ASTM D 4325
	Tensile strength (N/cm)		70	ASTM D 412
	Elongation (%)		300	ASTM D 412
	Thermal Conductivity (W/m <sup>2</sup> K )		2,64	ASTM C 177
	Tidewater Resistance		Pass	Con-Ed EO 5343-14
	Chemical Resistance		Pass	*BTM-814
	Dielectric Breakdown (kV)		15	ASTM D 149
	Volume Resistivity (Ω.cm)		4,4x10 <sup>13</sup>	ASTM D 257
	Flame Resistance			
	Bunsen Burner		Pass	Con-Ed EO 5343-14
	Propane Torch		Pass	Con-Ed EO 5343-14
	Plasma Torch (seconds)		>110 seconds	Con-Ed EO 5343-14
	Electrical Arc Resistance Simulated high current fault arc (13000°K)			
	One half-lap layer		108 cycles	Plasma Torch
	Two half-lap layers		170 cycles	Plasma Torch
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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