



Plymouth Rubber Europa S.A

W963 Plysafe

EPR Insulating and Jacketing Tape

Description

W963 Plysafe is 30 mil (0,76mm) ethylene propylene rubber, self-amalgamating high voltage tape for insulating and jacketing splices through 69kV. W963 Plysafe amalgamates quickly, yielding a void-free, electrically stable build-up and is ideal for water-proofing. ASTM-D-4388, HH-I-553C/Grade A, MIL-I-3825B.

Recommended Uses

For insulating and jacketing of splices on power cable from 600 volts through 69000 volts and for building stress cones and for jacketing of terminations on power cable through 35000 volts. Provides a moisture seal for all water-proofing needs and insulations and protects bus components. Due to its highly stable mechanical and chemical properties, W963 Plysafe is ideal for cable jacket repair and restoration.

Specifications

Property	Value	Unit	Test Method
Physical			
Color	Black	---	---
Thickness	0,76	mm	ASTM D 4388
	0,030	inch	ASTM D 4388
Tensile Strength	396	psi	ASTM D 4388
	30	N/cm	ASTM D 4388
Elongation	750	%	ASTM D 4388
Fusion	2 Max.	mm	ASTM D 4388
	5/64 Max.	inch	ASTM D 4388
Operating Temperature			
Continuous	90	°C	ASTM D 4388
Emergency Overload	130	°C	ASTM D 4388

Chemical			
Water Absorption	0,06	%	ASTM D 570
Ozone Resistance	Pass	Visual	ASTM D 4388
UV Resistance	Pass	Visual	ASTM D 4388

Electrical			
Dielectric Strength	30	kV/mm	ASTM D 4388
	750	V/mil	ASTM D 4388
Dielectric Constant			
24 h @ 23 °C	2,7	---	ASTM D 4388
168 h @ 70 °C	2,9	---	ASTM D 4388
Dissipation Factor			
24 h @ 23 °C	0,005	---	ASTM D 4388
168 h @ 70 °C	0,015	---	ASTM D 4388
Volume Resistivity			
96 h @ 28 °C and 50 % RH	10 ¹⁶	Ohm · cm	ASTM D 4388
96 h @ 23 °C and 96 % RH	10 ¹³	Ohm · cm	ASTM D 4388

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. Consult factory for other sizes

Features

- Self-amalgamating
- Outstanding corona and ozone resistance
- UV Resistant
- Excellent moisture, corrosion and chemical resistance

Product Approvals

- ASTM-D-4388
- HH-I-553C/Grade A
- MIL-I-3825B

Standard Sizes

- 3/4 in x 30 ft
19 mm x 9 m
- 1 in x 30 ft
25 mm x 9 m
- 1 1/2 in x 30 ft
38 mm x 9 m
- 2 in x 33 ft
51 mm x 10 m



LIMITED WARRANTY: Plymouth warrants that its Product will substantially conform to that products written specifications exclusively contained in its Plymouth product data sheet for a period of one (1) year from the date of shipment. (Unless provided otherwise in product's data sheet). Plymouth makes no warranty to the distributor, its customers, or the product's end user for the products merchantability and/or suitability for his/its intended use or purpose, and buyer shall assume all risks associated therewith. Provided that the product is proved to be defective within the terms described above, and provided buyer shall have first complied with all return policies of Plymouth, PLYMOUTH'S SOLE OBLIGATION AND BUYER'S EXCLUSIVE REMEDY UNDER THIS PRODUCT WARRANTY SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT AS IS PROVED TO BE DEFECTIVE WITHIN THE TIME PERIOD SPECIFIED ABOVE. EXCEPT AS EXPRESSLY SET FORTH HEREIN, PLYMOUTH MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. In no event shall Plymouth be liable for collateral, consequential, indirect or incidental damages arising out of, or connected in any way with the supply of products. (rev. 1/95)



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