



Plymouth Rubber Europa S.A

Plymouth PIB Medium Voltage Tape

INSULATING AND JACKETING TAPE FOR USE THRU 46kV

- Self-amalgamating
- Outstanding Corona and ozone resistance
- UV resistant
- Excellent moisture, corrosion and chemical resistance

RECOMMENDED USES: For insulating and jacketing of splices on power cable from 600 volts through 46 000 volts and for building stress cones and jacketing of terminations on power cable from 600 volts thru 35 000 volts. Moisture seal for telephone joints and other waterproofing needs. Insulates and protects bus components.

STANDARD SIZES:

- .75" x 33' (19mm x 10m)
- 1" x 33' (25mm x 10m)

DESCRIPTION: Plymouth PIB is a polyisobutylene based medium voltage tape possessing excellent electrical, chemical and physical properties. It is a self-amalgamating tape that maintains a tight insulation build-up for void-free electrical stability and permanent resistance to moisture penetration. The excellent stretch of Plymouth PIB tape permits fast taping speeds and uniform build-up with normal taping techniques. Plymouth PIB is compatible with all extruded dielectric cable insulations.

SPECIFICATIONS:

Property	Value	Unit	Test Method
Physical			
Color	Black	---	---
Thickness	0,51	mm	ASTM D 4325
	0,020	inch	ASTM D 4325
Tensile Strength	350	psi	ASTM D 4325
	2,4	MPa	ASTM D 4325
Elongation	700	%	ASTM D 4325
Fusion	2 Max.	mm	ASTM D 4325
	5/64 Max.	inch	ASTM D 4325
Modulus @ 200%	145	psi	ASTM D 4325
	1,0	MPa	ASTM D 4325
Temperature Range	-40 to 90	°C	
	-40 to 195	°F	

Chemical			
Water Absorption	0,02	%	ASTM D 570
Ozone Resistance	Pass	Visual	ASTM D 4325
UV Resistance	Pass	Visual	ASTM D 4325

Electrical			
Dielectric Strength	35,4	kV/mm	ASTM D 4325
	900	V/mil	ASTM D 4325
Dielectric Constant 60 Hz, 600 V	2,5	---	ASTM D 4325
Dissipation Factor 60 Hz, 600 V	0,002	---	ASTM D 4325
Volume Resistivity	>10 ¹³	ohm · cm	ASTM D 4325

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.

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 the product 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 therewith. Provided that the product is proved to be defective within the terms described above, and provided buyer shall 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.



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