

Plymouth PIB Medium Voltage Tape

TECHNICAL CHARACTERISTICS

PROPERTY	VALUE	UNIT	TEST METHOD
PHYSICAL			
Color	Black	-	-
Thickness	0.50 / 0.76	mm	ASTM D 4325
Elongation	600	%	ASTM D 4325
Tensile Strength	2.40 (Min)	MPa	ASTM D 4235
Fusion	< 2	mm	ASTM D 4325
Modulus @ 200%	1.0	MPa	ASTM D 4325
Temperature Range	-40 to 90	°C	
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	kV/mm	ASTM D 4325
Dielectric Constant (60 Hz, 600V)	2.5		ASTM D 4325
Dissipation Factor (60 Hz, 600V)	0.002		ASTM D 4325
Volume Resistivity	> 10 ¹³	Ω cm	ASTM D 4325

Information provided is for reference only. Data supported by independent lab test results. 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.

FEATURES:

- Self-amalgamating
- Outstanding Corona and Ozone Resistance
- UV Resistant
- Excellent moisture, corrosion and chemical resistance

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.

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 through 35,000 volts. Moisture seal for telephone joints and other waterproofing needs. Insulates and protects bus components.

05/10 #PIB

STANDARD SIZES:

Widths	Lengths	Cores
19 mm	10 m	38 mm
25 mm		
38 mm		
50 mm		

Other sizes are available upon request