



Plymouth Rubber Europa S.A

## 5000 Bus-Seal Insulating Mastic (EPR-Backed)

### HIGH VOLTAGE INSULATION FOR SWITCHGEAR BUS CONNECTIONS AND MOLDED JOINTS

- Good electrical properties
- Superior adhesion to metal
- Superior adhesion to pre-insulated bus
- UV resistant
- Moisture, Corrosion and chemical resistant
- For direct burial

**RECOMMENDED USES:** Insulating and water proofing high voltage bus conductors, connectors, equipment lugs and bushings, and insulation continuity of pre-insulated bus. An excellent moisture seal and corrosion protection for junction boxes, bus-duct, and cable tray joints. Outer jacket for direct buried high voltage splices. Ideal for covering molded joints on jacketed CN cable.

#### STANDARD SIZES:

- 4 in x 10 ft.  
102mm x 3m

**DESCRIPTION:** 5000 Bus-Seal is a laminate of W963 Plysafe EPR High Voltage Tape and 10 Plyseal Insulating mastic in a roll form. A one-pass application of this laminate provides high dielectric strength, instant adhesion and excellent conformability. Eliminates the necessity of multiple applications of different tapes and compounds.

#### SPECIFICATIONS:

PROPERTY	VALUE	UNIT	TEST METHOD
<b>PHYSICAL</b>			
Thickness	0.125	inch	ASTM-D-4325
	3.17	mm	
<b>CHEMICAL</b>			
Water Absorption	0.10	%	ASTM-D-570
Copper Corrosion	None	Visual	ASTM-D-69
Ozone Resistance	Pass	Visual	ASTM-D-4325
UV Resistance	Pass	Visual	ASTM-d-4325
<b>ELECTRICAL</b>			
Dielectric Constant	3.2	-	ASTM-D-4325
Dissipation Factor	0.025	-	ASTM-D-4325
Dielectric Strength (1)	500	V/mil	ASTM-D-4325
Volume Resistivity	10 <sup>15</sup>	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.

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