

Plymouth

Plymouth Rubber Europa S.A

4000 Plyseal -V Insulating Mastic (Vinyl-Backed)

PERMANENTLY SEAL & INSULATE SUB-SURFACE AND OVERHEAD LOW VOLTAGE ELECTRICAL CONNECTIONS

- Available in roll or pad form
- Vinyl backing
- UV resistant
- High dielectric strength
- Superior adhesion to metal, cable insulations and jackets
- Excludes moisture, may be direct buried or submerged

RECOMMENDED USES: For encapsulating and protecting direct buried low voltage connections and devices, terminations, overhead connectors, duct seals, and cable end seals. Ideal for covering molded joints on CN cables.

STANDARD SIZES:

- 4 in x 10 ft.
102mm x 3m
- 4 in. x 4 in.
102mm x 102mm
- 4 in. x 6 1/2 in.
102mm x 165mm



DESCRIPTION: 4000 Plyseal-V is a vinyl backed insulating mastic possessing the superior adhesive qualities and dielectric strength required to seal and insulate direct buried, submerged or overhead and electrical connections up to 1000 volts. The vinyl backing adds mechanical strength and is UV resistant. It is impervious to ozone, water, soil and corrosive chemicals. 4000 Plyseal-V holds fast and permanently and will not adversely affect cable insulations and polymeric conducting shields.

SPECIFICATIONS:

PROPERTY	VALUE	UNIT	TEST METHOD
PHYSICAL			
Thickness	0.133	inch	ASTM-D-4325
	3.28	mm	ASTM-D-4325
Operating Temperature	90	°C	ASTM-D-4388
	130	°C	
CHEMICAL			
Water Absorption	0.10	%	ASTM-D-570
Copper Corosion	None	Visual	ASTM-D-69
Ozone Resistance	Pass	Visual	ASTM-D-4325
UV Resistance	Pass	Visual	ASTM-D-4325
ELECTRICAL			
Dielectric Strength	(1) 500	V/mil	ASTM-D-4325
Dielectric Constant	3.2	-	ASTM-D-4325
Dissipation Factor	0.025	-	ASTM-D-4325
Volume Resistivity	1 x 10 ¹⁵	ohm-cm	ASTM-D-4325

(1) 500 V/mil when tested on a .020 in. (.508) thick specimen. Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own test 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 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.

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