

Plymouth

Plymouth Rubber Europa S.A

10 Plyseal Insulating Mastic

Description

10 Plyseal is a 125 mil (3mm) self-amalgamating, insulating mastic for insulating and sealing all types of overhead and direct buried electrical connections up to 600 Volts. 10 Plyseal has superior adhesion to metals, cable insulations and jackets with no adverse effect on polymeric conducting shields. For watersealing duct work, cable ends and all types of splices. Normally Plyseal 10 should be jacketed with vinyl tape.

Recommended Uses

For encapsulating and protecting all types of low voltage connections and devices, overhead connections, duct seals and cable end seals.

Specifications

Property	Value	Unit	Reference
Physical			
Thickness	0.125	inch	ASTM-D-4388
	3.2	mm	
Operating Temp. Continuous ¹	90	°C	ASTM-D-4388
Emergency Overload	130	°C	ASTM-D-4388
Chemical			
Water Absorption	0.10	%	ASTM-D-570
Copper Corrosion	None	visual	ASTM-D-69
Ozone Resistance	Pass	visual	ASTM-D-4388
Electrical			
Dielectric Constant	3.2	-	ASTM-D-4388
Dissipation Factor	0.025	-	ASTM-D-4388
Dialectric Strength ²	500	V/mil	ASTM-D-4388
Volume Resistivity	10 ¹⁵	ohm-cm	ASTM-D-4388

¹When properly enveloped

²500 V/Mil when tested on a .020 (.508mm) 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 tests to determine the product's suitability for the intended use.

Features

- Available in roll and pad form
- High dielectric strength
- Superior adhesion to metal, all types of cable insulations and jackets
- Excellent thermal stability
- Resistant to water, salt water, soil and corrosive chemicals
- Will not adversely affect cable insulations or polymeric conducting shields

Standard Sizes

- 3 3/4 in x 10 ft
95 mm x 3 m
- 3 3/4 in x 3 3/4 in
95 mm x 95 mm
- 3 3/4 in x 6 1/2 in
95 mm x 165 mm



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