



10 Plyseal[®]

Insulating Mastic

Technical Data Sheet **October 2017**

Description and Features **10 Plyseal[®]** is a 3,2 mm (125 mil) 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 water sealing ductwork, cable ends and all types of splices. Normally **10 Plyseal[®]** should be jacketed with vinyl tape.

- Available in roll or 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.

Materials	Backing	Adhesive	Color	Standard Sizes
	None	Mastic	Black	Width x Length
				95 mm x 95 mm (3.75 in. x 3.75 in.)
				95 mm x 3 m (3.75 in. x 10 ft.)
				Other sizes available upon request

Technical Properties	Characteristic	Typical Value	Test Method
	Thickness (mm)	3,2	ASTM D 4325
	Operating temperature (°C)		
	Continuous	90	ASTM D 4325
	Emergency overload	130	ASTM D 4325
	Water absorption (%)	0,10	ASTM D 570
	Copper corrosion (visual)	None	ASTM D 69
	Ozone resistance (visual)	Pass	ASTM D 4325
	Dielectric strength ¹ (kV/mm)	20	ASTM D 149
	Dielectric constant	3,2	ASTM D 150
	Dissipation factor	0,025	ASTM D 150
	Volume resistivity (Ω.cm)	1x10 ¹⁵	ASTM D 257

¹ 20 kV/mm when tested on a 0,51 mm thick specimen.

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

Storage In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C.

Shelf Life 60 months from date of manufacture.

Information provided is for reference only. 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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