



Vinyl Mastic (VM)

Self-Bonding Mastic Tape

Technical Data Sheet

October 2017

Description and Features

Vinyl Mastic (VM) is a self-fusing mastic compound with an all-weather, premium vinyl backing that can be used for insulating and water sealing electrical connections through 600 volts. Small roll sizes can be stretched and molded around irregular shapes, even in tight locations. Provides excellent electrical properties, superior adhesion and moisture and chemical resistance. Vinyl backing adds UV protection. Use for insulating overhead and direct buried low voltage connections, motor lead connections and cable and conduit repair.

- Self -fusing
- UV and weather resistant
- Strong adhesion to metal, cable insulation and jackets
- Excellent corrosion resistance
- Superior dielectric strength
- Long lasting cathodic protection

Materials	Backing PVC	Adhesive Mastic	Color Black	Standard Size	
				Width	Length
				102 mm	3,1 m (4 in. x 10 ft.)
				Other sizes available upon request	

Technical Properties	Characteristic	Typical Value	Test Method
Adhesion to steel (N/10mm)	26,0	ASTM D 1000	
Adhesion to PE (N/10mm)	22,0	ASTM D 1000	
Elongation (%)	220	ASTM D 1000	
Operating Temperature			
Continuous (°C)	90	ASTM D 4325	
Emergency Overload (°C)	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	
UV Resistance (visual)	Pass	ASTM D 4325	
Dielectric Constant	3,2	ASTM D 150	
Dissipation Factor (%)	0,025	ASTM D 150	
Dielectric Strength (kV/mm)	19,7	ASTM D 149	
Volume Resistivity (Ω.cm)	1x10 ¹⁵	ASTM D 257	
Insulation Resistance (MΩ)	>1x10 ⁶	ASTM D 257	

Recommended Uses For sealing, insulating and padding all low voltage electrical connections. Ideal for splicing and sealing applications in the Telecommunications, CATV and Electrical Industries.

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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