

CABLE ACCESSORIES

LIMITED



Vinyl Mastic (VM) Self-Bonding Mastic Tape

Technical Data Sheet

November 2022

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	Adhesive	Color	Standard Size
	PVC	Mastic	Black	Width x Length 102 mm x 3,1 m (4 in. x 10 ft.) Other sizes available upon request
Technical Properties	Characteristics		Typical Values	Test Method
PVC Backing	Thickness (mm)		0,160	ASTM D 1000
	Tensile Strength (N/cm)		40	ASTM D 1000
	Elongation (%)		240	ASTM D 1000
Mastic	Thickness, (mm)		1,04	ASTM D 1000
	Thickness, (mm)		1,20±0,20	ASTM D 1000
	Adhesion to steel (N/cm) ¹		22	ASTM D 1000
Compound (PVC Backing + Mastic)	Adhesion to PE (N/cm) ¹		22	ASTM D 1000
	Operating Temperature			
	Continuous (°C)		90	ASTM D 4325
	Emergency Overload (°C)		130	ASTM D 4325
	Water Absorption (%)		<0,35	ASTM D 570
	Copper Corrosion (visual)		None	ASTM D 69
	Ozone Resistance (visual)		Pass	ASTM D 4325
	UV Resistance (visual)			
	50°C x 4h @95%HR + 70°C x 20h (1000 h)		Pass	ISO 11507
	18 min. Distillated water + 102 min. dry @40°C (750 h)		Pass	ASTM D 4325
	Dielectric Strength (kV/mm)		13	ASTM D 149
	Surface Resistivity (Ω)		>1x10 ¹³	ASTM D 257

¹Adhesión higher than indicated due to the high adhesion to the substrate

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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