



Rubber Mastic (RM)

Self-Bonding Mastic Tape

Technical Data Sheet

October 2017

Description and Features	<p>Rubber mastic is a self-bonding mastic tape consisting of an ethylene propylene rubber (EPR) backing, bonded to a tacky temperature stable, electrical grade mastic. Use for insulating and moisture sealing splices and terminations on solid dielectric cable. Provides excellent electrical properties, superior adhesion, moisture and chemical resistance. For primary insulation up to 2kV.</p> <ul style="list-style-type: none"> • Excellent electrical properties • Superior adhesion • UV resistant. • Moisture, corrosion, and chemical resistant • Suitable for direct burial and overhead applications
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Materials	Backing EPR	Adhesive Mastic	Color Black	Standard Sizes Width x Length 38 mm x 3 m (1,5" x 10') 51 mm x 3 m (2,0" x 10') Other sizes available upon request
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Technical Properties	Characteristic	Typical Value	Test Method
	Thickness (mm)	1,65	ASTM D 4325
	Elongation (%)	890	ASTM D 412
	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	Pass	ASTM D 4325
	Dielectric strength (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
	Insulation Resistance (MΩ)	>1x10 ⁶	ASTM D 257

Recommended Uses	Use for insulating and moisture-sealing splices and terminations on solid dielectric cable. Can be wrapped, stretched or molded around irregular shapes for insulation build up, water sealing and surface protection. Ideal for Bus Bar insulation and corrosion protection.
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Storage	In original packaging, placed in horizontal position under cover and temperature between 5°C and 35 °C.
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Shelf Life	60 months from date of manufacture.
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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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