

3M Scotch™ 2228 Rubber Mastic Tape

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

3M™ Scotch™ 2228 is a conformable self-fusing rubber electrical insulating sealing tape. Scotch 2228 consist of an ethylene propylene rubber (EPR) backing coated with an aggressive, temperature-stable mastic adhesive. The tape is made 65 mils (1.65 mm) thick for quick application build-up. It is designed for electrical insulating and moisture sealing applications. Scotch 2228 can be used on copper or aluminum conductors rated at 90°C, with an emergency overload rating of 130°C. It offers excellent resistance to moisture and ultraviolet exposure and is intended fro both indoor and weather exposed outdoor applications. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-2228-Rubber-Mastic-Tape.php

Physical Properties	Metric	English	Comments
Water Absorption	0.15 %	0.15 %	ASTM D570
Water Vapor Transmission	1.55 g/m ² /day	0.0998 g/100 in ² /day	ASTM D3833
Thickness	1650 microns	65.0 mil	ASTM D4325

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1.03 MPa	149 psi	ASTM D4325
Elongation at Break	1000 %	1000 %	ASTM D4325
Peel Strength	0.110 kN/m	0.625 pli	Adhesion to Polyethylene; ASTM D1000
	0.1643 kN/m	0.9375 pli	Adhesion to Steel; ASTM D1000

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.5	3.5	ASTM D4325
Dielectric Strength	19.7 kV/mm	500 kV/in	Dry; ASTM D4325
	19.7 kV/mm	500 kV/in	Wet; ASTM D4325

Descriptive Properties	Value	Comments
Appearance	Black	

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