3M™ Scotch-Seal™ Mastic Tape and Pads 2229

Data Sheet **May 2013**

Product Description

3M™ Scotch-Seal™ Mastic Tape and Pads 2229 are conformable, durable, tacky mastic coated on an easy release liner. The product is designed for quick and easy insulating, padding and sealing of objects that need to be protected from adverse environmental conditions. It is well suited for corrosion protection applicants and is resistant to U.V. radiation.

Agency Approvals & Self Certifications

RoHS
2011/65/EU

"**RoHS** 2011/65/EU" means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Product Features

- Excellent adhesion and sealing characteristics to metals, rubbers, synthetic cable insulations and jackets.
- Stable over wide temperature range while maintaining its sealing properties.
- Conformable and moldable for easy applications over irregular surfaces.
- Does not crack when subjected to repeated flexing.
- Fully compatible with most semi-con jacketing materials.
- Material exhibits self-healing characteristics after being punctured or cut.
- Chemical resistance.
- Exhibits very low cold-flow.
- Retains its flexibility at low temperatures resulting in ease of application and continuous performance at reduced temperatures.

Applications

- For sealing high-voltage cable splice and termination accessories for 90º C continuous operating temperature.
- For insulating electrical connections rated up to 1000 volts if over wrapped with vinyl or rubber electrical tape.
- For padding irregular-shaped connections.
- For providing corrosion protection to a wide variety of electrical connections and applications.
- For sealing ducts and cable end seals.
- For sealing against dust, soil, water and other environmental conditions

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Product Handling

The appropriate length of 3M™ Scotch-Seal™ Mastic Tape 2229 can easily be cut off the roll by using a sharp knife or suitable protected razor blade. It can be applied in layers or can easily be molded into the desired shape.

Note: Since a large number of different semi-conductive jacketing materials are currently available, the user is urged to test the compatibility of 2229 mastic tape with the semi-conductive jacketing material being used.

Typical Properties

Properties	Typical Value
Color	Black
Thickness [1]	125 mil (3,18mm)
Water Absorption [3]	0.07%
Application Temperature	0ºC to 38ºC, 32ºF to 100ºF
Dielectric Strength [1] (Wet or Dry)	379 V/mil (14,9kV/mm)
Dielectric Constant [2] 73ºF(23ºC) 60Hz	3.26
Dissipation Factor [2]	0.80%

* Foot notes: 1. ASTM-D-1000 Test method
2. ASTM-D-150 Test method.
3. 3M™ Test method 282

Shelf-Life

This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C / 50°F to 27°C / 80 °F and <75% relative humidity).

Availability

The 2229 mastic tape is available in the following sizes from your local authorized 3M distributor:

3 ¾" x 10'	(95,3 mm x 3 m)	Roll
1" x 10'	(25,4 mm x 3 m)	Roll
2 ½" x 3 ¾"	(63,5 mm x 95,3 mm)	Pad
3 ¾" x 3 ¾"	(95,3 mm x 95,3 mm)	Pad
6 ½" x 3 ¾"	(165,1 mm x 95,3 mm)	Pad

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