



Scotch-Seal™ Mastic Tape and Pads 2229

Data Sheet

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.

Product Features

- Excellent adhesion and sealing characteristics to metals, rubbers, synthetic cable insulations and jackets.
- Wide temperature stability 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 excellent self-healing characteristics after being punctured or cut.
- Excellent 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 90° 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.

Properties	Typical Value
Color	Black
Thickness ¹	125 mil (3,18mm)
Water Absorption ³	0.07%
Application Temperature	0°C to 38°C, 32°F to 100°F
Dielectric Strength ¹ (Wet or Dry)	379M/mi (14,9kV/mm)
Dielectric Constant ² 73°F(23°C) 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

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.

Shelf-Life

The 2229 Mastic Tape has a 5-year shelf-life (from date of manufacture when stored under the following recommended storage conditions). Store behind present stock in a clean dry place at a temperature of 70°F and 40-50% relative humidity. Good stock rotation is recommended.

Availability

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

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

3M and Scotch-Seal are trademarks of 3M Company.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one year from the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



Electrical Markets Division

6801 River Place Blvd.

Austin, TX 78726-9000

www.3M.com/electrical

Litho in USA

© 3M 2005 78-8126-9091-1-A