

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

Data Sheet

February 2024

Product Description 3M™ Scotch-Seal™ Mastic Tape and Pads 2229 are conformable, durable, tacky Ethylene Propylene Diene Monomer (EPDM) 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 applications and is resistant to U.V. radiation.

Agency Approvals & Self Certifications For Regulatory information including RoHS, REACH, please visit www.3M.com/regs

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 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

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.

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Typical Properties

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)	379 V/mil (14,9kV/mm)
Dielectric Constant ² 73°F(23°C) 60Hz	3.26
Dissipation Factor ²	0.80%

* Foot notes:

1. ASTM D1000 Test method
2. ASTM D150 Test method.
3. ASTM D570

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

3M™ Scotch-Seal™ Mastic Tape and Pads 2229 available from 3M authorized distributors.

Also available from www.3M.com/electrical or call 800.245.3573.

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