



Scotch-Seal™ 2229

Mastic Tape

Data Sheet

Product Description

Scotch-Seal 2229 Mastic Tape is a 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 applications and is resistant to U.V. light.

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 mouldable 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 and UV resistance.
- ❖ Exhibits very low cold-flow.
- ❖ Retains its flexibility at low temperatures resulting in ease of application and continuous performance at reduced temperatures.

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

Applications

- ❖ For sealing high voltage cable splice and termination accessories.
- ❖ 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.

Data – Typical Properties

Physical Properties

Test Method	Typical Value*
Colour	Black
Thickness ASTM-D1000	3.2mm
Water Absorption 3M TM283	0.07%
Temperature Range	
Continuous	-34°C - 71°C (-30°F - 160°F)
Intermittent	93°C (200°F)
Application Temperature	-18°C - 65°C (0°F - 150°F)

Electrical Properties

Test Method	Typical Value*
Dielectric Strength ASTM-1000	
Wet	15kV/mm
Dry	15kV/mm
Dielectric Constant ASTM D150	
23°C (73°F) 60 Hz	3.26
Dissipation Factor ASTM D150	0.80%

*This data is not to be used for specification. Values listed are for typical properties and should not be considered minimum or maximum.

Product Handling

The appropriate length of Scotch-Seal Mastic Tape can easily be cut on the roll by using a sharp knife or suitably protected razor blade. It can be applied in layers or can easily be moulded into the desired shape.

Shelf Life

When maintained under normal storage conditions, Scotch-Seal 2229 will remain stable and has a five year shelf-life.

Important Notice

Technical information provided by 3M is based on experience and/or tests believed to be reliable, but their accuracy is not guaranteed and the results may not be relevant to every user's application. For this reason 3M does not accept responsibility or liability, direct or consequential, arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence. All questions of liability relating to 3M products are governed by the seller's terms of sale subject where applicable to the prevailing law. If any goods supplied or processed by or on behalf of 3M prove on inspection to be defective in material or workmanship, 3M will (at its option) replace the same or refund to the Buyer the price paid for the goods or services. Except as set out above, all warranties and conditions, whether express or implied, statutory or otherwise are excluded to the fullest extent permissible at law. 3M and Scotch-Seal are trademarks of the 3M Company. Printed in the UK. © 3M United Kingdom PLC, 2003.