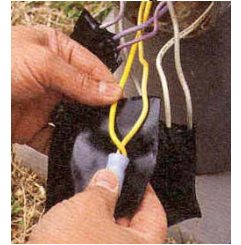




Scotch® 2200, 2210 Vinyl Mastic Pads and Rolls

Data Sheet



Product Description

Scotch Brand 2200 Pads and 2210 Rolls are self-fusing, rubber based insulating compounds laminated to a flexible, all-weather grade vinyl (PVC) backing. These tape rolls and pre-cut pads are designed to insulate, moisture-seal and pad all connections up to 600 volts, and have excellent resistance to abrasion, moisture, alkalies, acid, copper corrosion and varying weather conditions (including sunlight).

Product Features

- ❖ Polyvinyl chloride (PVC) backing.
- ❖ Compatible Rubber Mastic.
- ❖ Flexible over wide range of temperatures.
- ❖ Highly resistant to ultraviolet light.
- ❖ Easily installed to provide maximum protection.
- ❖ Compatible with all common solid dielectric cable insulation.
- ❖ Usable for indoor or outdoor applications.

Applications

(600V maximum)

- ❖ Bolted connections.
- ❖ Service drops.
- ❖ Traffic signal wire connections.
- ❖ Lighting connections.
- ❖ Transformer bushing protection.
- ❖ Padding bolted connections on bus bar.
- ❖ Grounding rod connection protection.
- ❖ Terminal protection.
- ❖ Cable end sealing.
- ❖ Secondary compression connections.

Data – Average Properties

Backing

Composition – All weather polyvinyl chloride (PVC) plastic.

| | |
|------------------------------|------------|
| Colour | Black |
| Thickness ASTM-D1000 | 0.18mm |
| Breaking Strength ASTM-D1000 | 35.3N/10mm |
| Elongation ASTM-D1000 | 200% |

Mastic

Composition – Highly stable synthetic elastomers and resins.

Thickness ASTM-D1000

| | |
|------|-------|
| Pad | 3mm |
| Roll | 2.1mm |

Composite (Backing and Mastic)

Thickness ASTM-D1000

| | |
|--|-----------------------|
| Pad | 3.2mm |
| Roll | 2.3mm |
| Adhesion to Steel ASTM-D1000 | 22N/10mm width |
| Adhesion to Polyethylene ASTM-D1000 | 22N/10mm width |
| Dielectric Strength ASTM-D1000 | 11kV/mm |
| Insulation Resistance ASTM-D257 | >1,000,000 megohms |
| Water Absorption ASTM-D570 | .75% |

Specifications

Product

The insulation is a composite of an all-weather polyvinyl chloride (PVC) backing and a thick rubber based, pressure-sensitive adhesive. The product must be applicable at temperatures ranging from -18°C (0°F) to 38°C (100°F) without loss of physical or electrical properties.

The product must not degrade when exposed to various indoor or outdoor environments. It must also be compatible with all synthetic cable insulations and jointing compounds. When used in junction boxes, cable trays or gutters, connectors shall be over wrapped with at least one-half lapped layer of glass cloth tape or varnished cambric tape before applying the product. Or, the entire product build-up shall be over wrapped with two half-lapped layers of an adhesive-coated cloth tape. Where use involves direct burial or continuous submersion in water, the product shall be over wrapped with a minimum of two half-lapped layers of plastic electrical tape.



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Engineering/Architectural Specification

All splices for 600-volt wire rated at 80°C (176°F) and below shall be insulated with “Scotch” Brand 2200 Pad or 2210 Roll. The Vinyl Mastic shall be protected from sharp edges and external pressure from heavy objects by at least a one-half lapped layer of Scotch Brand 27 or 69 Glass Cloth Tape, or Scotch 2510 Varnished Cambric Tape before applying Scotch Vinyl Mastic. Or over wrap the entire Vinyl Mastic build-up with two half-lapped layers of an adhesive-coated cloth tape.

When directly buried or submerged in water, splices shall be over wrapped with a minimum of two half-lapped layers of Scotch Super 33+ or Super 88 Vinyl Plastic Electrical Tape.

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3M UK PLC
Electrical Products
 3M Centre, Cain Road
 Bracknell, Berkshire RG12 1JU
 Telephone: 01344 858616
 Fax: 01344 858758

3M Ireland
Sales Office
 3M House, Adelphi Centre
 Dun Laoghaire, Co Dublin, Ireland
 Telephone: 353 1 280 3555
 Fax: 353 1 280 3509

3M UK PLC
Sales Office
 PO Box 393
 Bedford MK41 0YE
 Telephone: 01234 229462
 Fax: 01234 229433

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