



Tartanä 1710

Vinyl Electrical Tape

Data Sheet

1. Product Description

Tartan 1710 Vinyl Electrical Tape is a good quality and economical general purpose vinyl insulating tape. It has excellent resistance to: abrasion, moisture, alkalis, acid and varying weather conditions (including sunlight). It is a polyvinyl chloride (PVC) tape that has a high wet dielectric strength, is conformable, and provides excellent mechanical protection with minimum bulk. It is a UL listed and CSA Certified "Insulating Tape".

2. Applications

- Primary electrical insulation for all wire and cable splices rated up to 600 volts.
- Protective jacketing for high voltage cable splices and repairs.
- Harnessing of wires and cables.
- For indoor and outdoor applications.
- For above or below grade applications.

3. Typical Data/Physical Properties

Physical Properties

Test Method	Typical Value
• Temperature Rating UL 510 (UL file #E1292000)	80° C (176° F)
• CSA 22.2 (CSA #LR48769)	80° C (176° F)
• Flammability UL 510	Pass
• Dielectric Strength* Standard Condition After Humidity Condition	1000 V/mil (39,4kv/mm) >90% of Standard

- Insulation Resistance* >10⁶ Megohms
- Thickness* 7 mils (0,177mm)
- Elongation* 150%
- Break Strength* 18 lb/in
- Adhesion*
To Steel 18 oz/in
To Backing 18 oz/in

*ASTM D1000

Note: These are typical values and should not be used for specification purposes.

4. Installation Technique

The tape shall be applied in half-lapped layers with sufficient tension to conform and produce a uniform covering. In most applications, this tension will reduce the tape's width to 3/4 of its original width. **Apply the tape with no tension on the last wrap to prevent flagging.**

5. Shelf Life

Tartan 1710 Tape has a five 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 (21°C) at 40-50% relative humidity. Good stock rotation is recommended.

6. Availability

Tartan 1710 Tape is available from your local 3M authorized distributor.

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 Scotchcast are trademarks of the 3M Company. Printed in the UK.

© 3M United Kingdom PLC, 1999

3M United Kingdom PLC
Electrical Products Group
Hudson Road
Bedford MK41 0HR
Tel: 01234 268868
Fax: 01234 229433

3M Ireland
Electrical products Group
3M House, Adelphi Centre
Dun Loaghaire, CO. Dublin, Ireland
Tel: (01) 2803555
Fax: (01) 2803509

3M Innovation

Jan. 2000