



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, alkalies, 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* 15 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.

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