



Temflex™ 1700

Vinyl Electrical Tape

Data Sheet

Product Description

Temflex™ 1700 Electrical Tape is a good quality, economical general purpose vinyl insulating tape. It has excellent resistance to: abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including sunlight). It is a polyvinyl chloride (PVC) tape that is flame-retardant and conformable. Temflex 1700 provides excellent mechanical protection with minimum bulk. It is a UL Listed and CSA Certified "Insulating Tape".

- UL Listed; UL 510 Standard "Insulating Tape" (product category OANZ), File E129200
- CSA Certification; Standard C22.2 No. 197-M1983 "PVC Insulating Tape", File LR 48769

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 or outdoor applications.

For above or below grade applications.

Typical Data/Physical Properties

Temperature Rating

UL 510	80°C (176°F)
CSA 22.2	80°C (176°F)

Flammability

UL 510	Pass
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Dielectric Strength*

Standard Condition	>1000 V/mil
After Humidity Condition	>90% of Standard

Insulation Resistance*

>10⁶ Megohms

Thickness*

7 mils

Elongation*

200%

Breaking Strength*

17 lbs/in

Adhesion*

To Steel	24 oz/in
To Backing	22 oz/in

*ASTM D1000

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

Installation Techniques

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 approximately 5/8 of its original width. On pigtail splices, the tape should be wrapped beyond the end of the wires and then folded back, leaving a protective cushion to resist cut-through. Always wrap the tape "uphill". **Apply the tape with no tension on the last wrap to prevent flagging.**

Shelf Life

Temflex 1700 Electrical Tape has a 5 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 and 40-50% relative humidity. Good stock rotation is recommended.

Availability

Temflex 1700 Electrical Tape is available from your local 3M authorized electrical distributor in the following standard roll size:

3/4 in. x 60 ft.

Other lengths and widths available by special order.

Temflex 1700P Printed Tape is available in two roll sizes. 3/4 in. x 66 ft. and 1 1/2 in. x 44 ft., for use in MSHA-approved (Mine Safety and Health Administration) splicing kits.

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