



# Temflex™ 21S

## Vinyl Electrical Tape for Wire Harnessing

### Data Sheet

---

#### 1. Product Description

Temflex 21 S Vinyl Electrical Tape is a good quality and economical general purpose vinyl insulating tape. It is a polyvinyl chloride (PVC) tape that has a high dielectric strength, is conformable and provides excellent mechanical protection with minimum bulk.

#### 2. Applications

- Harnessing of wires and cables.
- Protective jacketing for cable splices and repairs.
- Primary electrical insulation for wire and cable splices rated up to 600 volts.

#### 3. Installation Techniques

The tape shall be applied in half-lapped layers with sufficient tension to conform and produce a uniform covering. 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. Apply the tape with no tension on the last wrap to prevent flagging.

#### 4. Shelf-life

Tartan 1510 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.

### Typical Properties

---

#### Physical Properties

---

Thickness*	5 mils (0,13 mm)
Elongation*	150%
Breaking Strength*	14 lbs./in (2.5 N/10 mm)
Dielectric Strength*	>1000 V/mil (>39,4 kV/mm)
Adhesion* To Steel *ASTM D-1000	18 oz/in (2.0 N/10 mm)

---

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

3M are trademarks of 3M.

#### Important Notice

All statements, technical information, and recommendations related to Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of Seller. The statements contained herein are made in lieu of all

warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS THAT WERE DEFECTIVE.



**Electrical Products Division**