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Temflex™ 1500

PVC Electrical Tape

1. Product Description

Temflex™ 1500 Electrical Tape is a good quality and general-purpose PVC insulating tape. It has good resistance to abrasion, moisture, alkalis, acid and varying weather conditions (including sunlight). It is a polyvinyl chloride (PVC) tape that has a high electric strength, is conformable and provides good mechanical protection with minimum bulk. Temflex™ 1500 is classified as IEC Type 5 Tape acc. IEC60454-3-1-5/F-PVCP/90 and has VDE Marks License no 40012689.

2. Applications

- Primary electrical insulation for all wire and cable splices and repairs
- Harnessing of wires and cables
- Colour coding for phase identification, job identification and safety
- For indoor and outdoor applications

3. Typical Properties

Physical Properties	Typical Value
Colours	Black, Blue, Brown, Yellow, Yellow/Green, Grey, Orange, Red, White, Purple, Green
Thickness[1]	0,15 mm
Elongation[1]	170 %
Tensile Strength[1]	20 N/10 mm
Adhesion to Steel[1]	1,8 N/10 mm
Adhesion to Backing[1]	1,8 N/10 mm
Temperature Rating[2]	0-90 °C
Resistance to Flame[1] Propagation	self-extinguishing (acc IEC 60454-2 19.5 part b)

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Electrical Properties	Typical Value
Electric Strength[1]	40 kV/mm
Electrolytic Corrosion[3]	A/B 1.8
Insulation Resistance[3]	10^{11} /25 mm

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

1 IEC 60454-2 [2] IEC 60085, IEC 60216 [3] IEC 60426

4. User Information

4.1 Installation Techniques

The tape should 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 60 % of its original width. **Apply the tape with no tension on the last wrap to prevent flagging.**

4.2 Shelf Life & Storage

Temflex 1500 Tape has a 5-year shelf life from date of manufacture when stored in a humidity controlled area (10 °C to 27 °C and <75 % relative humidity).

4.3 Availability

Please contact your local distributor.

5. Additional Information

To request additional product information, see address below.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes.

All questions of warranty and liability relating to 3M products are governed by the terms of the respective sale subject, where applicable, to the prevailing law.

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