

3M™ Temflex™ 150 Vinyl Electrical Tape

Data Sheet

August 2023

Product Description

3M™ Temflex™ 150 Vinyl Electrical Tape is an economical general-purpose grade, nominal 0.13 mm thick electrical insulating tape composed of an elastic vinyl (PVC) film backing coated on one side with a non-corrosive, pressure-sensitive adhesive. Available in 9 colors.

Commonly used in these types of applications:

- For residential, commercial, and manufacturing (OEM) environments.
- Suitable for ambient indoor uses.
- General wire harness taping, bundling wires, cables and wire pulling and fishing.
- Basic electrical and hardware applications. Voltage rating: 600V
- Temperature range rate 0°C-80°C (self-certified, based on the test method of standard CSA-C22.2 No.197).

Typical Properties

Physical Properties	Typical Value ¹ Imperial (Metric)	Mechanical Properties	Typical Value ¹ Imperial (Metric)
Color-Visual	Black, Blue, Red, Yellow, White, Orange, Brown, Green, Grey	Thickness ³	0.13mm±10%
Adhesive	Rubber-based	Adhesion to steel ³	20oz/in (0.22N/mm)
Backing	Vinyl (PVC)	Adhesion to backing ³	20oz/in (0.22N/mm)
Flame Retardant ²	Pass	Tensile Strength ³	2500psi
Electrical Properties	Typical Value ¹ Imperial (Metric)	Elongation ³	200%
Dielectric Strength ²	1.2kV/mil		

Notes:

1. Not for specification. Values are typical, not to be considered minimum or maximum.
2. Flame retardant test method refers to UL510.
3. ASTM D1000 Test Method-properties measured at room temperature 23°C unless otherwise stated.

Agency Approval & Self Certifications

For Regulatory information including RoHS, REACH, please visit www.3M.com/regs

Installation Techniques

3M Temflex™ 150 Vinyl Electrical Tape shall be applied in half-lapped layers with sufficient tension to produce a uniform wind. On pigtail splices, the tape shall be wrapped beyond the end of the wires and then folded back, leaving a protective cushion to resist cut-through. Wrap tape up-hill, taping from a smaller diameter surface to a larger diameter surface. Apply the tape with no tension on the last wrap to prevent flagging.

Shelf Life & Storage

This product has a 2-year shelf life (from date of manufacture) when stored in humidity-controlled storage (10°C-27°C and <75% relative humidity).

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TECHNICAL STATEMENT

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