

# 3M™ Temflex™ 150 Vinyl Electrical Tape

Data Sheet

April 2025

## Product Description

3M™ Temflex™ 150 Vinyl Electrical Tape is 600V rated, general use 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. Manufactured in accordance with IS 7809 (Part 3/ Sec 1): 1986, the tape is ISI-marked and designated as [F-PVCp/90/0/Tp]. It is a general use electrical tape with flame-retardant (self-extinguishing) properties. This tape is available in six(6) colors.

Common applications of the tape are as follows:

- For residential, commercial, and manufacturing (OEM) environments.
- Suitable for ambient indoor use.
- General wire harness taping, bundling wires, cables & wire pulling and fishing.
- Basic electrical and hardware applications.

## Typical Properties

Physical Properties	Typical Values <sup>1</sup>	Mechanical Properties	Typical Values <sup>1</sup>
Color-Visual	Black, Blue, Red, Yellow, White, Green	Thickness <sup>2</sup>	0.13mm±10%
Adhesive	Rubber-based	Adhesion to steel <sup>2</sup>	1.6N/10 mm width
Backing	Vinyl (PVC)	Adhesion to backing <sup>2</sup>	1.3 N/10 mm width
Flammability	Self-Extinguishing	Tensile Strength <sup>2</sup>	150 N/10 mm width per mm thickness
Electrical properties	Typical Values <sup>1</sup>	Elongation <sup>2</sup>	200%
Dielectric Strength	40 kV/mm		
Dielectric Strength (After Humid Conditioning)	35 kV/mm		
Insulation resistance	10 <sup>5</sup> Megaohm		

### Notes:

1. Not for specification. Values are typical, not to be considered minimum or maximum.
2. ASTM D1000 /IS 7809-II Test Method-are used unless otherwise stated.

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## **Agency Approval & Self Certifications:**

Product is RoHS 3.0 compliant as per EU RoHS Directive 2011/65/EU including Commission Delegated Directive (EU) 2015/863 amending Annex II.

This indicates that product does not contain heavy metals (Hg, Cr6+, Pb at >1000 ppm, Cd at >100 ppm), brominated biphenyls (polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE) at >1000 ppm) and, phthalates (bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), and diisobutyl phthalate (DIBP) at >1000 ppm).

For Regulatory information including MSDS, and RoHS please visit [https://www.3mindia.in/3M/en\\_IN/company-in/SDS-search/](https://www.3mindia.in/3M/en_IN/company-in/SDS-search/)

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## **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.

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## **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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## **Product Identification Numbers**

IS-3101-2374-7	IS-3101-2380-4	IS-3101-2386-1
IS-3101-2377-0	IS-3101-2375-4	IS-3101-2384-6
IS-3101-2381-2	IS-3101-2383-8	IS-3101-2389-5
IS-3101-2382-0	IS-3101-2387-9	IS-3101-2390-3
IS-3101-2385-3		

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## Technical Statement

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