

PVC Electrical Insulation Tape (UM150N) TDS

Product Overview

UM150N is a high-performance PVC electrical tape engineered for reliable electrical insulation, wire marking, and cable protection. Crafted from a thin, premium-grade plasticized PVC film with a high-tack rubber-based adhesive, this tape delivers exceptional conformability, chemical resistance, and moisture protection. It meets ROHS compliance and CSA listing, ensuring safety and sustainability without harmful substances like lead or cadmium.

Key Features

- Superior Electrical Insulation: Ideal for electrical insulation applications below 600V, providing robust voltage resistance and dielectric strength.
- Versatile Performance: Highly conformable to complex shapes, unaffected by most chemicals, and suitable for indoor/outdoor use.
- Safety & Compliance: ROHS-certified, lead/cadmium-free, and flame-resistant (Class B), meeting strict industry standards for PVC electrical tape applications.

Technical Data:

Property		Unit	Typical data	Test Method
Total Thickness		mm	0.15 ± 0.02	EN 1942
Tensile Strength		N/cm	15	ISO 29864
Elongation at break		%	150	ISO 29864
Voltage resistance		V	600	
Peel Adhesion	To Steel	N/cm	1.0	ISO 29862
	To Backing	N/cm	1.0	ISO 29862
Flame resistance		--	B	ASTM D1000
Temperature		°C	80	ASTM-D-1000

Applications

- Electrical insulation of wires and cables up to 600V
- Insulating wrapping for electrical components and connections
- Color-coded marking of electrical wires, cables, and circuits (e.g., yellow green electrical tape for safety grounding)
- General-purpose protection against abrasion, moisture, and environmental factors

Additional Properties

- Color Options: Black, White, Yellow, Red, Blue, Green, Gray, Violet, Brown, Yellow & Green (ideal for safety marking)
- Surface Finish: Matte or Shiny
- Shelf Life: 1 year in original packaging when stored at 23°C ± 5°C and 65% RH

Tape Specifications

- Log Roll: 0.150mm x 1250mm x 20m (standard)
- Core Diameter: 32mm/38mm (paper core)
- Lengths: 10m, 20m, 25m
- Widths: 19mm, 25mm (including popular 19mm x 20mtr rolls for electrical projects)

Pricing Information

For PVC electrical insulation tape price inquiries or bulk orders, contact our sales team for customized quotes. Volume discounts and custom color/printing options are available upon request.

Important Note

All data is based on internal testing. We recommend trial applications to ensure the tape meets your specific technical requirements. Trust UM150N for reliable, high-performance PVC tape for electrical insulation in commercial, industrial, and residential wiring projects.