



44 Electrical Tape

Polyester Web-Reinforced Film with Thermosetting Rubber, Pressure-Sensitive Adhesive

Data Sheet

- Puncture resistant
- Excellent electrical properties
- UL recognized
- Class B (130°C)
- Conformable

3M™ Electrical Tape 44 is a combination polyester film/polyester web coated with a rubber thermosetting pressure-sensitive adhesive. For maximum solvent resistance and holding properties, the tape should be thermoset at one of the following cycles:

- 1 hour @ 150°C (300°F)
- 2 hours @ 135°C (275°F)
- 3 hours @ 120°C (250°F)

The tape is suggested for use in stick-wound coils/transformers and in bobbin-wound coils for banding, anchoring, and insulating, and for protecting start wires, leads, terminal strips, insulation paper, end turns and connections in motors and transformers.

UL Component Recognition

- Temperatures not exceeding 130°C

UL File Number E17385 A and B, Guide OANZ2. Underwriters Laboratories (UL) recognized products have been evaluated for use as components of end-product equipment that is listed or classified by UL. To achieve Underwriters Laboratories recognition, component construction must meet UL specifications and conditions of acceptability for proper and safe use of the component or product.

Properties	Typical Values*
Thickness	5.5 mils (0.139 mm)
Breaking Strength ¹	40 lbs./in (70 N/10 mm)
Elongation ¹	50%
Adhesion to Steel ¹	65 oz/in (7.1 N/10 mm)
Puncture Resistance ³	12 lbs. (5.4 kg)
Dielectric Strength ¹	5500V
Temperature Class	130°C
Insulation Resistance	>1x10 ⁶ megohms
Electrolytic Corrosion Factor ²	1.0
CTI Material Group	I

*Not recommended for specification purposes. Product specifications will be provided upon request.

Test methods: ¹ ASTM D-1000
² 3M Test Method
³ Federal Spec. L-T-001512

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