



Super 10 Electrical Tape

Flame-retardant epoxy film with thermosetting, rubber resin pressure-sensitive adhesive

Data Sheet

- Conformable
- High dielectric strength
- Flame retardant
- UL Recognized to 155° C

3M™ Super 10 Electrical Tape offers flexibility and conformability for easy handling and application. It meets the rigid flame-retardancy requirements of the Component Test Program of UL 510. In application, the tape maintains good electrical properties after elongation. 3M Super 10 also maintains good mechanical and electrical properties as tested for UL recognition at 155°C.

The tape is suggested for use in wrapping relays, coils, transformers, bobbin-wound subfractional horsepower shaded-pole motors and stick-wound coils. It can also be used for holding in fractional horsepower motors, arbor-wound coils and wire harnesses.

To achieve maximum solvent resistance and holding performance, thermoset the tape at one of the following cycles:

- 1 hour @ 150°C
- 2 hours @ 135°C
- 3 hours @ 120°C

UL Component Recognition

- Temperatures not exceeding 155°C
- Flame retardant per UL 510

UL File Number E17385, 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.

Typical Properties

Property	Value*
Color	Cream
Thickness	5.0 mils (.127mm)
Tensile Strength	45 lbs./in (79N/10mm)
Elongation	120%
Adhesion to Steel	45 oz/in (4.9N/10mm)
Dielectric Strength	8000V
Insulation Resistance	>1 x 10 ⁶ megohms
Electrolytic Corrosion Factor ¹	1.0
Flammability ²	Flame retardant

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

Test Methods

¹ 3M Test Method

² UL 510

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