Electrical Tape 92

Polyimide Film Tape with Thermosetting Silicone Adhesive

Data Sheet

Product Description

3M™ Electrical Tape 92 is a 1-mil polyimide film backing with silicone adhesive.

- 1-mil polyimide Kapton™ backing
- Silicone Adhesive
- High temperature applications to 180ºC
- UL510 Flame Retarded

Like all 3M insulated tapes, 92 Tape is available in standard and custom widths and lengths. Standard length is 36 yards.

- Widths from ¼" to 23"
- Longer lengths up to several times normal length, dependent upon width. Check with Customer Service.

Applications

3M Electrical Tape 92 is used for high temperature electrical applications in which a tough, thin insulating material is required for wrapping coils, transformers, capacitors, and wire harnesses. It is also used in printed circuit board assembly as a wave solder masking tape.

UL Component Recognition

UL Recognized Flame Retarded per UL510. UL File Number E17385, Guide OANX2. Underwriters Laboratories (UL) Recognized products are 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 save use of the component or products.

Typical Properties

Properties	Typical Value
Adhesive	Thermosetting Silicone
Backing	Polyimide film
Backing thickness [1]	1.0 mil (0.025 mm)
Total thickness [1]	3.0 mils (0.076 mm)
Insulation Resistance [1] (megohms)	$>1 \times 10^6$
Dielectric Breakdown [1]	7,500 Volts
Breaking Strength [1]	30 lbs/in (53N/10mm)
Elongation [1] (% at break)	55%
Electrolytic Corrosion Factor [3]	1.0
Adhesion to steel [1]	25 oz/in (2.8N/10mm)
UL510 Flame Retarded [2]	Yes
Printable	Yes

1 Test Method ASTM-D-1000

2 UL recognized for flame retardancy per UL510, Product Category OANZ2, File E17385.

3 3M Test Method - available upon request

Note: Typical properties are not recommended for specification purposes. Product specifications will be provided upon request

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