



92

Polyimide Film

Product Description

3M 92 Tape is a one mil polyimide backing with silicone adhesive. It is designed for high temperature applications, used on coils, capacitors and wire harnesses.

- 1 mil polyimide Kapton™ backing
- Silicone adhesive
- Supplied on 3 inch cores

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

- Widths from 1/4" to 23"
- Longer lengths up to several times normal length, dependent upon width. Check with Customer Service.

Applications

3M 92 Tape 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.

Properties

Typical Values

Adhesive	Silicone
Backing	Polyimide
Backing Thickness ¹	One Mil
Total Thickness	3.0 mils/0,08mm
Dielectric Breakdown ¹	7,500 Volts
Insulation Resistance ¹ (megohms)	>1 x 10 ⁶
Breaking Strength ¹	30 lbs./in. (53 n/10mm)
Elongation ¹ (% at break)	55
Electrolytic Corrosion Factor ³	1.0
Adhesion to Steel ¹	20 oz./in. (2,2 n/10mm)
UL 510 Flame Retardant ²	Yes
CTI Material Group	3b
Printable	Yes

* Footnote: 1. Test method ASTM D 1000
 2. UL-recognized for flame retardancy per UL 510, Product Category 0ANZ2, File E17385.
 3. 3M Test Method-Available on request.

Important Notice

90 Day Limited Warranty - 3M expressly warrants that for a period of ninety (90) days from the date of purchase, 3M Electrical Tape 92 will be free of defects in materials (parts) and workmanship (labor) and function within the 3M specified operating parameters.

Warranty Exclusions - THE FOREGOING EXPRESS WARRANTY IS MADE IN LIEU OF ALL OTHER PRODUCT WARRANTIES, EXPRESS AND IMPLIED, INCLUDING FITNESS AND MERCHANTABILITY.

The express warranty will not apply to defects or damage due to accidents, neglect, misuse, alterations, operator error, or failure to properly maintain, clean, or store products.

Limit of Liability - In no event will 3M or Seller be responsible or liable for direct, incidental, or consequential losses or damages, under any legal theory including but not limited to contract, negligence or strict liability. Fulfillment of 3M's warranty obligations of replacement of defective product will be Customer's exclusive remedy and 3M's and Seller's limit of liability for any breach of warranty or otherwise.

3M Electrical Specialties Division

6801 River Place Blvd.
Austin, TX 78726-9000
800/328-1368