



# 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 180°C
- 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 1/4" 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 <sup>1</sup>	1.0 mil (0.025 mm)
Total thickness <sup>1</sup>	3.0 mils (0.076 mm)
Insulation Resistance <sup>1</sup> (megohms)	>1 x 10 <sup>6</sup>
Dielectric Breakdown <sup>1</sup>	7,500 Volts
Breaking Strength <sup>1</sup>	30 lbs/in (53N/10mm)
Elongation <sup>1</sup> (% at break)	55%
Electrolytic Corrosion Factor <sup>3</sup>	1.0
Adhesion to steel <sup>1</sup>	25 oz/in (2.8N/10mm)
UL510 Flame Retarded <sup>2</sup>	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**

**3M is a trademark of 3M Company.**

**Kapton is a trademark of E.I. du Pont de Nemours and Company.**

### Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

**Warranty; Limited Remedy; Limited Liability.** This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



### Electrical Markets Division

6801 River Place Blvd.

Austin, TX 78726-9000

[www.3M.com/electrical/oem](http://www.3M.com/electrical/oem)

Litho in USA

© 3M 2006 78-8124-4760-1-C

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [3m manufacturer](#):*

Other Similar products are found below :

[SC401U](#) [98-0003-3071-6](#) [00-054007-70220-7](#) [00-054007-34717-0](#) [021200-40230](#) [6840-2X50-GRAY](#) [D2550-6002-AR](#) [701-W](#) [7993MP-2CIRCLE-100](#) [FDV14-187C](#) [8124/14](#) [812510-100](#) [8125/17](#) [813216](#) [8204-3LFM](#) [8425-8](#) [MNG14BCX](#) [FP301-1-6"-Clear](#) [FV14-6C](#) [920102-01-25-R](#) [923835-BK-C](#) [927739-40](#) [929835-01-28-RK](#) [929836-09-16](#) [929974-01-40-R](#) [951240-2520-AR-PR](#) [960X/980X](#) [98-0003-3075-7](#) [HF36564-100](#) [HF625/26-30](#) [1/2-5-5430](#) [1/2-5-850S](#) [1/2-5-3431](#) [12X12-6-4056B](#) [12X12-6-433](#) [12X12-6-4930](#) [13-500-NB](#) [14526-EZ5B-300-02C](#) [1-4-4658F](#) [14520-EZAB-300-0EC](#) [DSTK9013-3420](#) [DSTK9015-3402](#) [14T50-SZWB-100-0NC](#) [152244-0110-GB](#) [1-5-3437](#) [1-5-4496W](#) [1-5-4943F](#) [1-5-363](#) [1-5-5451](#) [1-5-421](#)