

330 9710  
330 9708



# 92 Tape

## Polyimide Film

### Data Sheet

#### Product Description

3M™ 92 Tape is a 1-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                                     | Thermosetting Silicone  |
| Backing                                      | Polyimide               |
| Backing Thickness <sup>1</sup>               | One Mil                 |
| Total Thickness                              | 3.0 mils/0.076mm        |
| Dielectric Breakdown <sup>1</sup>            | 7,500 Volts             |
| Insulation Resistance <sup>1</sup> (megohms) | >1 x 10 <sup>6</sup>    |
| Breaking Strength <sup>1</sup>               | 30 lbs./in. (53 n/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. (2.8 n/10mm) |
| UL 510 Flame Retardant <sup>2</sup>          | Yes                     |
| 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.