



Electrical Tape 1093

Polyimide Film Tape With Thermosetting Silicone Pressure-Sensitive Adhesive



Data Sheet

Product Description

3M™ Electrical Tape 1093 is a 1-mil polyimide film backing with silicone thermosetting pressure-sensitive adhesive.

- High temperature applications to 180°C
- High puncture resistance
- Conformable
- High Dielectric Breakdown
- UL510 Flame Retarded

UL Component Recognition

UL Recognized for use at temperatures not exceeding 180°C. UL File Number E17385, Guide OANZ2.

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 safe use of the component or products.

Applications

3M Electrical Tape 1093 is especially suited to high temperature masking applications and DC/fractional motor applications.

Typical Properties	Typical Values
Adhesive	Silicone Thermosetting
Backing	Polyimide film
Backing Thickness ¹	1.0 mil (0.025mm)
Total Thickness ¹	2.5 mils (0.063mm)
UL510 Flame Retarded ²	Yes
Temperature Class	180°C
Dielectric Breakdown ¹	7,500 Volts
Breaking Strength ¹	35 lbs./in (62N/10mm)
Elongation ¹ (% at break)	50%
Adhesion to Steel ¹	20 oz/in (2.2N/10mm)

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

Footnote: ¹ Test Method ASTM D1000

² UL recognized for flame retardancy per UL510

3M is a trademark of 3M Company.

Important Notice

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.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date 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 loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

**Electrical Products Division**

6801 River Place Blvd.
Austin, TX 78726-9000

www.3M.com/elpd

© 3M 2004
78-8125-9924-5-B



ООО «НИОКРсистемс» - это оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов. Реализуемая нашей компанией продукция насчитывает более полумиллиона наименований.

Благодаря этому наша компания предлагает к поставке практически не ограниченный ассортимент компонентов как оптовыми, мелкооптовыми партиями, так и в розницу.

Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

Наша компания это:

- Гарантия качества поставляемой продукции
- Широкий ассортимент
- Минимальные сроки поставок
- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование
- Работаем по 275 ФЗ