



ELECTRICAL INSULATION TAPES



3M 92 Adhesive Polyimide Film Tape

3M 92 Adhesive Polyimide Tape is a high quality electrical insulation tape that exhibits excellent resistance to elevated temperatures (up to 180°C), good adhesion and strong dielectric strength. This tape is manufactured from a 1-mil (0.025mm) Kapton™ polyimide film backing coated on one side with a silicone based thermosetting adhesive. It is UL recognised as flame retardant as per UL510.

3M 92 Adhesive Polyimide Tape is typically used for high temperature electrical applications that require a tough, thin insulating tape. These include the wrapping of coils, transformers, wire harnesses and capacitors. It is also used in the assembly of printed circuit boards and as a wave solder masking tape.

Properties

Adhesive	Silicone Thermosetting
Backing	Kapton Polyimide Film
Backing Thickness ¹	0.025mm (1 mil)
Total Thickness	0.076mm (3 mil)
Temperature Class	180°C (356°F)
Breaking Strength ¹	53 N / 10mm (30 lbs./in)
Elongation ¹	55%
Adhesion to Steel ¹	2.8 N / 10mm (25 oz./in)
Dielectric Breakdown ¹	7,500V
Insulation Resistance ¹	>1 x 10 ⁶ megohms
Electrolytic Corrosion Factor ²	1.0
Printable	Yes
UL Flame Retardant	Yes

¹Test Method ASTM D-1000

²3M Test Method – Available upon request.

³UL Recognised for Flame Retardancy per UL 510, Product Category 0ANZ2, File E17385

UL Component Recognition

UL Recognised Flame Retarded per UL 510. UL File Number E17385, Guide OANX2. Underwriters Laboratories (UL) Recognised 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.

Availability

Associated Gaskets slits 3M 92 Adhesive Polyimide Film Tape in-house and can provide this quality insulation tape in whatever width you require (standard widths are also listed below).

Standard roll widths: 6mm, 9mm, 12mm, 15mm, 18mm, 21mm, 24mm

Standard roll length: 33mtrs.

Kapton™ is a registered trademark of DuPont

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Important

This information should not be treated as a substitute for specific technical advice. AG does not offer such advice and cannot warrant the performance or suitability of products for particular applications.