



1146 Electrical Tape

Polyester Film/Glass Filament Reinforced Tape with Thermosetting Rubber Pressure-Sensitive Adhesive

Data Sheet



Product Description

3M™ 1146 Tape is a 6.5 mil polyester film/glass filament tape coated with a thermosetting, pressure-sensitive rubber adhesive.

- UL Recognized, Class B (130°C)
- High breaking strength
- Suitable for heavy duty use
- For maximum solvent resistance and holding properties, the tape should be thermoset at one of the following cycles:

- 1 hour @ 150°C (300°F)
- 2 hours @ 135°C (275°F)
- 3 hours @ 120°C (250°F)

Applications

3M 1146 tape is especially suited for heavy duty equipment applications, bundling armature coils, anchoring, lead holding of heavy gauge wires in transformers, coils and electric motors.

UL Component Recognition

- Temperature not exceeding 130°C

UL File Number E17385 A and B, Guide OANZ2. Underwriters Laboratories (UL) Recognized products have been 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 product.

Typical Properties

Typical Values

Adhesive	Rubber Thermosetting
Backing	Polyester film/Glass filament
Backing Thickness	5.5 mils (0.140mm)
Total Thickness ¹	6.5 mils (0.165 mm)
Color	Clear
Temperature Class	130°C
Dielectric Breakdown ¹	5500V
Breaking Strength ¹	300 lbs/in (525N/10mm)
Elongation ¹ (% at break)	5%
Adhesion to Steel ¹	55 oz/in (6.05N/10mm)

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

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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.

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