



1139 Electrical Tape

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

Data Sheet



Product Description

3M™ 1139 Tape is a 6.5 mil polyester film/glass filament tape coated with an acrylic, pressure-sensitive adhesive.

- UL Recognized, Class F (155°C)
- Solvent resistant without thermosetting
- High breaking strength
- Suitable for heavy duty use

Applications

3M 1139 tape is especially suited for heavy duty air and oil filled transfer applications, reinforcements, holding and separating ground insulation, bundling motor coils and coil covering.

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	Acrylic
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	155°C
Dielectric Breakdown ¹	5500V
Breaking Strength ¹	225 lbs/in (394N/10mm)
Elongation ¹ (% at break)	6%
Adhesion to Steel ¹	35 oz/in (3.85N/10mm)

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

Footnote: 1 Test Method ASTM D1000