



1350F-1, 1350F-2 Tape

Flame-Retardant Tape with Polyester Film and Acrylic Pressure-Sensitive Adhesive

Data Sheet



Product Description

3M™ 1350F Tape is an electrical insulating polyester film tape which meets the flame retardancy requirements of UL 510. It consists of materials that are represented in many UL Recognized Insulation Systems and has a UL 130°C temperature rating. It also offers excellent flagging and solvent resistance; good wet grab; smooth, even unwind and is suitable for use on automated equipment.

- UL Recognized Flame Retardant
- UL Recognized Class 130°C
- Decabromo Diphenyl Oxide (DBDPO) Free
- Printable
- Solvent resistant without thermosetting
- Excellent Shelf Life
- Excellent Flagging Resistance

Colors

3M 1350F Tape is available in yellow, white and black

Applications

3M 1350F Tape is especially suited for applications such as wrapping coils, capacitors, wire harnesses, transformers, shaded pole motors and fractional horsepower motors.

UL Component Recognition

UL Recognized for use at temperatures not exceeding 130°C, flame retardant per UL Standard 510, UL File Number E17385, Product Category 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 UL Recognition, component construction must meet UL specifications and conditions of acceptability for proper and safe use of the component products.

| Typical Properties | 1-mil Film | 2-mil Film |
|----------------------------------------------|-------------------------|------------------------|
| Adhesive | Acrylic | Acrylic |
| Backing | Polyester Film | Polyester Film |
| Backing Thickness ¹ | One mil (25 micron) | Two mils (50 micron) |
| Total Thickness ¹ | 2.5 mils / 0,063 mm | 3.5 mils / 0,088 mm |
| Colors | Yellow, White, Black | Yellow, White, Black |
| Temperature Class | 130°C (266°F) | 130°C (266°F) |
| Dielectric Breakdown ¹ | 5500 Volts | 7,000 Volts |
| Insulation Resistance ¹ (megohms) | >1 x 10 ⁶ | >1 x 10 ⁶ |
| Breaking Strength ¹ | 25 lbs. / in (44N/10mm) | 50 lbs. / in(88N/10mm) |
| Elongation ¹ (% at break) | 100 | 110 |
| Electrolytic Corrosion Factor ³ | 1.0 | 1.0 |
| Adhesion to Steel ¹ | 30 oz/in (3,3N/10mm) | 30 oz/in (3,3N/10mm) |
| UL 510 Flame Retardant ² | Yes | Yes |
| Printable | Yes | Yes |

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

Footnote: 1 Test Method ASTM D 1000
 2 UL-recognized for flame retardancy per UL510, Product Category OANZ2, File E17385
 3 3M Test Method-Available on 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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