



1350-1, 1350-2 Tape

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

Data Sheet



Product Description

3M™ 1350 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 UI 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/CSA
- Excellent Flagging Resistant
- Printable
- Solvent resistant without thermosetting
- Excellent shelf life

Colors

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

Applications

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

UL and CSA Component Recognition

UL Recognized for use at temperature not exceeding 130°C, flame retardant per UL Standard 510, UL File Number E17385, Product Category AOANZ2. 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 products, 3M Flame Retardant Tape with Polyester Film and Acrylic Pressure Sensitive Adhesive.

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 (44 N/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

3M is a trademark of 3M

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
<http://www.3M.com/elpd/oem>

Litho in USA.
© 3M IPC 2000 78-8124-4751-0-B