



# 1351-1, 1351-2 Tape

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



### Product Description

3M™ 1351 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
- Excellent Flagging Resistance
- Controlled Release
- Solvent resistant without thermosetting
- Excellent Shelf Life
- UL Recognized CTI Group I

### Colors

3M 1351-1 and 1351-2 Tapes are available in yellow and white

### Applications

3M 1351 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 Underwriters Laboratories Recognition, component construction must meet UL specifications and conditions of acceptability for proper and safe use of the component products.

Properties	1351-1 (1 mil Film)	1351-2 (2 mil Film)
Adhesive	Acrylic	Acrylic
Backing	Polyester Film	Polyester Film
Backing Thickness <sup>1</sup>	One mil (25 micron)	Two mils (50 micron)
Total Thickness	2.5 mils / 0,063 mm	3.5 mils / 0,088 mm
Colors - Designation	Yellow, White	Yellow, White
Temperature Class	130°C (266°F)	130°C (266°F)
Dielectric Breakdown <sup>1</sup>	5500 Volts	7,500 Volts
Insulation Resistance <sup>1</sup> (megohms)	>1 x 10 <sup>6</sup>	>1 x 10 <sup>6</sup>
Breaking Strength <sup>1</sup>	25 lbs./in (44N/10mm)	50lbs./in (88N/10mm)
Elongation <sup>1</sup> (% at break)	100	110
Electrolytic Corrosion Factor <sup>3</sup>	1.0	1.0
Adhesion to Steel <sup>1</sup>	30 oz/in (3,3N/10mm)	30 oz/in (3,3N/10mm)
UL 510 Flame Retardant <sup>2</sup>	Yes	Yes
CTI Rating	Group 1	Group 1

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

Footnote: <sup>1</sup>Test Method ASTM D1000

<sup>2</sup>UL-recognized for flame retardancy per UL510, Product Category OANZ2, File E17385

<sup>3</sup>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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**Electrical Products Division**

6801 River Place Blvd.  
Austin, TX 78726-9000  
<http://www.3M.com/elpd>