

# Technical data sheet



Product: 1350

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: ELEKTRO

Article group: KLEBEBAND

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## 3M ET 1350F

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# 3M™ Polyester Film Electrical Tape 1350F-1, 1350F-2 with Acrylic Adhesive

## Data Sheet

April 2021

### Product Description

3M™ Polyester Film Electrical Tape 1350F is a yellow, white or black, UL recognized flame retardant, 2.5-mil (0.064 mm) or 3.5-mil (0.089 mm) thick tape composed of a 1-mil (0.025 mm) or 2-mil (0.051 mm) polyester film backing coated on one side with a non-corrosive, acrylic pressure-sensitive adhesive.

- Commonly used in wrapping coils, capacitors, wire harnesses, transformers, shaded pole motors and fractional-horsepower motors
- Decabromo Diphenyl Oxide (DBDPO) Free
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 130°C (266°F) per UL and CSA listings

### Properties / 1350F-1\*

Physical Properties	Value Imperial (Metric)	Electrical Properties	Value Imperial (Metric)
Color - Visual	Yellow, White, Black	Comparative Tracking Index (CTI) <sup>4</sup>	II
Adhesive	Acrylic	Dielectric Breakdown <sup>1</sup> - Minimum	5000 V
Backing	Polyester Film	Electrolytic Corrosion Factor <sup>3</sup>	1.0
Flame Retardant <sup>2</sup>	Pass	Insulation Resistance <sup>1</sup> - Minimum	1x10 <sup>12</sup> Ω
Mechanical Properties	Value Imperial (Metric)		
Backing Thickness - Nominal	1 mil (0.025 mm)		
Total Thickness <sup>1</sup>	2.5 +/- 0.5 mils (0.064 mm +/- 0.013)		
Adhesion to Steel <sup>1</sup> - Minimum	25 oz/in (2.7 N/cm)		
Breaking Strength <sup>1</sup> - Minimum	20 lb/in (35 N/cm)		
Elongation <sup>1</sup> - Minimum	50%		

### Properties / 1350F-2

Physical Properties	Value Imperial (Metric)	Electrical Properties	Value Imperial (Metric)
Color - Visual	Yellow, White, Black	Comparative Tracking Index (CTI) <sup>4</sup>	IIIa
Adhesive	Acrylic	Dielectric Breakdown <sup>1</sup> - Minimum	7000 V
Backing	Polyester Film	Electrolytic Corrosion Factor <sup>3</sup>	1.0
Flame Retardant <sup>2</sup>	Pass	Insulation Resistance <sup>1</sup> - Minimum	1x10 <sup>12</sup> Ω
Mechanical Properties	Value Imperial (Metric)		
Backing Thickness - Nominal	2 mil (0.051 mm)		
Total Thickness <sup>1</sup>	3.5 +/- 0.5 mils (0.089 +/- 0.013 mm)		
Adhesion to Steel <sup>1</sup> - Minimum	25 oz/in (2.7 N/cm)		
Breaking Strength <sup>1</sup> - Minimum	40 lb/in (70 N/cm)		
Elongation <sup>1</sup> - Minimum	50%		

#### Notes:

1. ASTM D1000 Test Method - properties measured at room temperature 73°F (23°C) unless otherwise stated
2. UL Recognized Flame Retardant per UL510A Standard
3. 3M Test Method ETM-54001 - 1.0 equates to no corrosion observed
4. UL Recognized to meet UL840 Material Group when tested to IEC 60112 on both sides of the tape

### Agency Approvals & Self Certifications

- UL Component Recognized: UL510A Standard, Category OANZ2, File No. E17385
- CSA Certified: Standard C22.2 No. 66, File No. 093411, Class 9052-30
- Self-certified to Commercial Item Description: A-A-59770A (2007) Type V (MF 2.5)\*
- For Regulatory information including RoHS, REACH, please visit [www.3M.com/regs](http://www.3M.com/regs)

## **3M™ Polyester Film Electrical Tape 1350F-1, 1350F-2 with Acrylic Adhesive**

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**Shelf Life & Storage** This product has a 5-year shelf life (from date of manufacture) when stored in humidity-controlled storage (50°F/10°C to 80°F/27°C and <75% relative humidity).

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**Availability** 3M™ Polyester Film Electrical Tape 1350F-1, 1350F-2 available from 3M authorized distributors / converters

Also available from [3M.com/oem](https://www.3m.com/oem) or call 1.800.245.3573.

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# **3M™ Polyester Film Electrical Tape 1350F-1, 1350F-2 with Acrylic Adhesive**

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