3M™ Polyester Film Electrical Tape 1350T-1 & 1350T-3 with Acrylic Adhesive

Data Sheet January 2026

Product Description

3M™ Polyester Film Electrical Tape 1350T-1 and 1350T-3 is a yellow, UL recognized flame retardant, nominal 3-mil (0.076 mm) or 4.5-mil (0.114 mm) thick tape composed of three laminated 0.5-mil (0.013 mm) or 1-mil (0.025 mm) layers of 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
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Rated for continuous operation not exceeding 130°C (266°F) per UL and CSA[5] listings

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Properties 1350T-1

Physical Properties	Value
Color - Visual	Yellow
Adhesive	Acrylic
Backing	Polyester Film
Flame Retardant[2]	Pass
Mechanical Properties	**Value Imperial (Metric)**
Backing Thickness - Nominal	1.5 mil (0.038 mm)
Total Thickness[1]	3.0 +/- 0.5 mils (0.076 mm +/- 0.013)
Adhesion to Steel[1]	≥25 oz/in (2.7 N/cm)
Breaking Strength[1]	≥42 lb/in (74 N/cm)
Elongation[1]	≥50%

Electrical Properties	Value
Comparative Tracking Index (CTI)[4]	II
Dielectric Breakdown[1]	≥6500 V
Electrolytic Corrosion Factor[3]	1.0
Insulation Resistance[1] (High Humidity Method)	≥1x10^{12} Ω

The technical information and data in this table should be considered representative or typical only and should not be used for specification purposes.

Properties 1350T-3[5]

Physical Properties	Value
Color - Visual	Yellow
Adhesive	Acrylic
Backing	Polyester Film
Flame Retardant[2]	Pass
Mechanical Properties	**Value Imperial (Metric)**
Backing Thickness - Nominal	3 mil (0.076 mm)
Total Thickness[1]	4.5 +/- 0.5 mils (0.114 mm +/- 0.013)
Adhesion to Steel[1]	≥25 oz/in (2.7 N/cm)
Breaking Strength[1]	≥68 lb/in (119 N/cm)
Elongation[1]	≥90%

Electrical Properties	Value
Comparative Tracking Index (CTI)[4]	II
Dielectric Breakdown[1]	≥10 kV
Electrolytic Corrosion Factor[3]	1.0
Insulation Resistance[1] – Minimum (High Humidity Method)	≥1x10^{12} Ω

The technical information and data in this table should be considered representative or typical only and should not be used for specification purposes.

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
5. 3M™ Polyester Film Electrical Tape 1350T-3 is not CSA listed

Agency Approvals & Self Certifications	• UL Component Recognized: UL510A Standard, Category OANZ2, File No. E17385 • CSA Certified[5]: Standard C22.2 No. 66, File No. 093411, Class 9052-30 • For Regulatory information including RoHS, REACH, please visit www.3M.com/regs
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).
Availability	3M™ Polyester Film Electrical Tape 1350T-1 and 1350T-3 available from 3M authorized distributors/converters Also available from www.3M.com/oem or call 1.800.676.8381

TECHNICAL STATEMENT

Intended Use (Automotive): These products are intended for use within a high voltage lithium-ion battery pack to help prevent the unintended contact of electrically charged surfaces of cells and pack components operated at standard temperature conditions in automotive, off-highway, industrial, and marine battery applications. Since there are many factors that can affect a product's use, the customer remains responsible for determining whether the 3M product is suitable and appropriate for the customer's specific application and system, including customer conducting an appropriate risk assessment and evaluating the 3M product in customer's application and system.

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78-9237-6180-9 Rev C