

Technical data sheet



Product: 74

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: ELEKTRO

Article group: KLEBEBAND

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3M™ POLYESTER FILM ELECTRICAL TAPE 74

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3M™ Polyester Film Electrical Tape 74 with Thermosetting Rubber Adhesive

Data Sheet

October 2021

Product Description 3M™ Polyester Film Electrical Tape 74 is a yellow, 0.8-mil (0.020 mm) thick tape composed of a 0.5-mil (0.013 mm) thick polyester film backing coated on one side with a non-corrosive, thermosetting rubber pressure-sensitive adhesive.

- Commonly used in wrapping coils, capacitors, wire harnesses, transformers, shaded pole motors and fractional-horsepower motors where space is at a premium
- 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 listing

Properties

Physical Properties	Value Imperial (Metric)	Electrical Properties	Value Imperial (Metric)
Color - Visual	Yellow	Comparative Tracking Index (CTI) ³	I
Adhesive	Thermosetting Rubber	Dielectric Breakdown ¹ - Minimum	3800 V
Backing	Polyester Film	Electrolytic Corrosion Factor ²	1.0
Mechanical Properties	Value Imperial (Metric)	Insulation Resistance ¹ - Minimum	1x10 ¹² Ω
Backing Thickness - Nominal	0.5 mil (0.013 mm)		
Total Thickness ¹	0.8 +/- 0.2 mils (0.020 +/- 0.005 mm)		
Adhesion to Steel ¹ - Minimum	16 oz/in (1.8 N/cm)		
Breaking Strength ¹ - Minimum	10 lb/in (18 N/cm)		
Elongation ¹ - Minimum	75%		

Notes:

1. ASTM D1000 Test Method - properties measured at room temperature 73°F (23°C) unless otherwise stated
2. 3M Test Method ETM-54001 - 1.0 equates to no corrosion observed
3. 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
- 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 74 available from 3M authorized distributors/converters
Also available from 3M.com/oem or call 1.800.245.3573.

3M™ Polyester Film Electrical Tape 74 with Thermosetting Rubber Adhesive

TECHNICAL STATEMENT

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