

# Technical data sheet



Product: 75

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: ELEKTRO

Article group: KLEBEBAND

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## 3M™ POLYESTER FILM ELECTRICAL TAPE 75

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# 3M™ Polyester Film Electrical Tape 75 with Double-Sided Thermosetting Rubber Adhesive

## Data Sheet

May 2021

**Product Description** 3M™ Polyester Film Electrical Tape 75 is a yellow, 3.5-mil (0.089 mm) thick tape composed of a 1-mil (0.025 mm) thick polyester film backing coated on both sides with a non-corrosive, thermosetting rubber pressure-sensitive adhesive.

- Commonly used in bonding applications requiring a positive insulation barrier
- 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	Dielectric Breakdown <sup>1</sup> - Minimum	4500 V
Adhesive	Thermosetting Rubber	Electrolytic Corrosion Factor <sup>2</sup>	1.0
Backing	Polyester Film	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>	3.5 +/- 0.5 mils (0.089 +/- 0.013 mm)		
Adhesion to Steel <sup>1</sup> - Minimum	35 oz/in (3.8 N/cm)		
Breaking Strength <sup>1</sup> - Minimum	15 lb/in (26 N/cm)		
Elongation <sup>1</sup> - Minimum	25%		

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

## 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](http://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 75 available from 3M authorized distributors/converters

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

# **3M™ Polyester Film Electrical Tape 75 with Double-Sided Thermosetting Rubber Adhesive**

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