# 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)* |
|---|---|
| *Color - Visual* | Yellow |
| *Adhesive* | Thermosetting Rubber |
| *Backing* | Polyester Film |
| ***Mechanical Properties*** | ***Value Imperial (Metric)*** |
| *Backing Thickness - Nominal* | 1 mil (0.025 mm) |
| *Total Thickness*[1] | 3.5 +/- 0.5 mils (0.089 +/- 0.013 mm) |
| *Adhesion to Steel*[1] *- Minimum* | 35 oz/in (3.8 N/cm) |
| *Breaking Strength*[1] *- Minimum* | 15 lb/in (26 N/cm) |
| *Elongation*[1] *- Minimum* | 25% |

| *Electrical Properties* | *Value Imperial (Metric)* |
|---|---|
| *Dielectric Breakdown*[1] *- Minimum* | 4500 V |
| *Electrolytic Corrosion Factor*[2] | 1.0 |
| *Insulation Resistance*[1] *- Minimum* | $1x10^{12}$ Ω |

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

***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 or call 1.800.245.3573.

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