

3M™ Polyester Film Electrical Tape 56 with Thermosetting Rubber Adhesive

Data Sheet

January 2014

Description 3M Polyester Film Tape 56 is a 1-mil yellow polyester film with rubber thermosetting adhesive.

Applications The 56 tape is especially suited for use as layer insulation and coil cover in 130° applications.

Agency Approvals & Self Certifications UL recognized component listing not to exceed 130°C (266°F), Product Category OANZ2, and 3M File No. E17385

UL File Number E17385 A and B, Guide OANZ2. Underwriters Laboratories (UL) recognized products have been evaluated for use as components of end-product equipment that is listed or classified by UL. To achieve Underwriters Laboratories recognition, component construction must meet UL specifications and conditions of acceptability for proper and safe use of the component or product.

RoHS

2011/65/EC

"RoHS 2011/65/EU" means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Typical Properties

Physical Properties (ASTM D1000 unless noted)	Typical Value US units (metric)
Adhesive	Thermosetting Rubber
Backing	Polyester Film
Backing Thickness¹	1.0 Mil
Total Thickness	2.3 mils (0,058 mm)
Color	Yellow
Electrical Property (ASTM D1000 unless noted)	Typical Value US units (metric)
Temperature Class	130°C (266°F)
Dielectric Breakdown¹	5,000 Volts
Insulation Resistance¹ (megohms)	>1 x 10 ⁶
Breaking Strength¹	25 lbs./in. (44 n/10 mm)
Elongation¹ (% at break)	100
Electrolytic Corrosion Factor²	1.0
Adhesion to Steel¹	50 oz./in. (5,5 n/10 mm)

*Footnote: 1. Test method ASTM D 1000
2. 3M Test Method-Available on request

Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated

3M™ Polyester Film Electrical Tape 56

Specifications	<p>3M Polyester Film Tape 56 is a polyester film-backed tape with thermosetting rubber pressure-sensitive adhesive.</p> <p>The tape shall be coated on one side with pressure-sensitive adhesive, which shall not require heat, moisture or other preparation prior to or subsequent to application. The adhesive coating shall be smooth and uniform and be free of lumps and bare spots. There shall be no separator between adjacent layers of the roll. The tape shall perform at a temperature of -40F° (-40°C) to 266°F (130°C) without substantial loss of tensile or electrical properties.</p>
Shelf Life & Storage	<p>This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).</p>
Availability	<p>3M Electrical Tape 56 is available in standard and custom widths and lengths. Standard length is 72 yards.</p> <p>Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.676.8381.</p>

Important Notice	<p>All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.</p>
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