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 Thickness[1]	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 Breakdown[1]	5,000 Volts
Insulation Resistance[1] (megohms)	>1 x 10^6
Breaking Strength[1]	25 lbs./in. (44 n/10 mm)
Elongation[1] **(% at break)**	100
Electrolytic Corrosion Factor[2]	1.0
Adhesion to Steel[1]	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

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Specifications	3M Polyester Film Tape 56 is a polyester film-backed tape with thermosetting rubber pressure-sensitive adhesive. 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.
Shelf Life & Storage	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).
A**vailability**	3M Electrical Tape 56 is available in standard and custom widths and lengths. Standard length is 72 yards. Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.676.8381.

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