



# 3M™ Glass Cloth Electrical Tape 27 with Thermosetting Rubber Adhesive

**Product Description** 3M™ Glass Cloth Electrical Tape 27 is a white, 7.25-mil (0.184 mm) thick tape composed of a 5-mil (0.127 mm) glass cloth backing coated on one side with a thermosetting rubber pressure-sensitive adhesive.

- Commonly used in 600-volt dry, coil outer wrapping and insulating motor lead connector applications
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 150°C (302°F) UL listing, 130°C (266°F) CSA listing

### Properties

<i>Physical Properties</i>		<i>Electrical Properties</i>	
	<i>Value Imperial (Metric)</i>		<i>Value Imperial (Metric)</i>
<b>Color - Visual</b>	White	<b>Comparative Tracking Index (CTI)<sup>3</sup></b>	I
<b>Adhesive</b>	Thermosetting Rubber	<b>Dielectric Breakdown<sup>1</sup> - Minimum</b>	2725 V
<b>Backing</b>	Glass Cloth	<b>Electrolytic Corrosion Factor<sup>2</sup></b>	0.9
<i>Mechanical Properties</i>		<i>Insulation Resistance<sup>1</sup> - Minimum</i>	
	<i>Value Imperial (Metric)</i>		<i>Value Imperial (Metric)</i>
<b>Backing Thickness - Nominal</b>	5 mil (0.127 mm)		50x10 <sup>6</sup> Ω
<b>Total Thickness<sup>1</sup></b>	7.25 +/- 1.25 mils (0.184 +/- 0.032 mm)		
<b>Adhesion to Steel<sup>1</sup> - Minimum</b>	38 oz/in (4.2 N/cm)		
<b>Breaking Strength<sup>1</sup> - Minimum</b>	120 lb/in (210 N/cm)		

Notes:

1. ASTM D1000 Test Method - properties measured at room temperature 73°F (23°C) unless otherwise stated
2. 3M Test Method ETM-54001 – 0.9 value means tape or backing may promote corrosion
3. UL tested and meets the listed 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
  - CSA Certified: Standard C22.2 No. 66, File No. 093411, Class 9052-30
  - 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™ Glass Cloth Electrical Tape 27 available from 3M authorized distributors / converters  
Also available from [3M.com/oem](http://3M.com/oem) or call 1.800.245.3573.

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