



# 3M™ Saturated Glass Cloth Tape 90 with Thermosetting Rubber Adhesive

## Data Sheet August 2021

**Product Description** 3M™ Saturated Glass Cloth Electrical Tape 90 is a white, 8-mil (0.203 mm) thick tape composed of a 5.5-mil (0.140 mm) glass cloth backing coated on one side with a thermosetting rubber pressure-sensitive adhesive.

- Commonly used in coils, transformers, banding, anchoring, insulating systems, motors and electrical gear applications
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 155°C (311°F) per CSA listing

### Properties

Physical Properties	Value Imperial (Metric)	Electrical Properties	Value Imperial (Metric)
Color - Visual	White	Dielectric Breakdown <sup>1</sup> - Minimum	2500 V
Adhesive	Thermosetting Rubber	Electrolytic Corrosion Factor <sup>2</sup>	0.9
Backing	Glass Cloth	Insulation Resistance <sup>1</sup> - Minimum	50x10 <sup>6</sup> Ω
Mechanical Properties	Value Imperial (Metric)		
Backing Thickness - Nominal	5.5 mil (0.140 mm)		
Total Thickness <sup>1</sup>	8.0 +/- 0.8 mils (0.203 +/- 0.020 mm)		
Adhesion to Steel <sup>1</sup> - Minimum	33 oz/in (3.6 N/cm)		
Breaking Strength <sup>1</sup> - Minimum	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

**Agency Approvals & Self Certifications**

- 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™ Saturated Glass Cloth Tape 90 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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