



# 69 Electrical Tape - OEM Glass Cloth With Silicone Pressure Sensitive Adhesive

## Data Sheet

### 1. Product Description

3M™ 69 Glass Cloth Electrical Tape is a white glass cloth tape with a high-temperature thermosetting silicone adhesive. The thermosetting adhesive provides an increased bond once applied in areas of high ambient temperatures. 69 Tape is UL recognized for continuous use up to 200°C. It conforms to Military Specification No. MIL-I-19166C.

### 2. Applications

- Insulating electric and induction type furnace power supply leads
- Securing high temperature, non-PSA insulations (such as asbestos and glass) in high temperature areas
- Securing Scotch 77 Fire Retardant Electric Arc Proofing Tape
- Replacing 3M 27 Glass Cloth Electrical Tape in locations where a higher-temperature tape is needed
- Reinsulating and repairing coils on mining machines
- Reinforcing insulation in electrical installations where heavy loads cause high heat and breakdown of original insulation (e.g. motor control exciter feeds)

- Splicing silicone-covered glass wire where splices require more abrasion resistance and mechanical strength than can be provided by silicone tapes
- Insulating Class "H" dry-type transformer leads

### Typical Properties

| Property                                   | Value*                        |
|--|-------------------------------|
| Thickness <sup>1</sup>                     | 7.0 mils (.177 mm)            |
| Tensile Strength <sup>1</sup>              | 180 lbs./in (314 N/10mm)      |
| Elongation at Break <sup>1</sup>           | 5%                            |
| Adhesion <sup>1</sup>                      | 40 oz/in (4.4 N/10mm)         |
| Electrical Strength <sup>1</sup>           | 3000V                         |
| Insulation Resistance <sup>1</sup>         | 4.8 x 10 <sup>4</sup> megohms |
| Electrolytic Corrosion Factor <sup>2</sup> | 0.9                           |
| Functional for Life<br>of Component        | 200°C                         |

\* Not recommended for specification purposes. Product specifications will be provided upon request.

Test Methods:  
<sup>1</sup>ASTM-D-1000  
<sup>2</sup>3M Test Method

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#### IMPORTANT NOTICE

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.

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