



# 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 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

3M is a trademark of 3M.

#### 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.

**Warranty; Limited Remedy; Limited Liability.** This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**

# 3M

#### Electrical Products Division

6801 River Place Blvd.  
Austin, TX 78726-9000  
800/245-3573  
[www.3M.com/elpd](http://www.3M.com/elpd)



*Printed on 50% recycled paper  
with 10% post-consumer*

Litho in USA  
©3M 1999 78-8124-4850-0-B

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[69-1"x36yd](#) [69-3/4"x36yd](#) [69-TAPE-1/2"X36YD](#) [69-TAPE-1/4"X36YD](#) [69-TAPE-3/4"X36YD](#) [69-TAPE-3/8"X36YD](#)  
[69 TAPE \(3/4\)](#)