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[1]	7.0 mils (.177 mm)
Tensile Strength[1]	180 lbs./in (314 N/10mm)
Elongation at Break[1]	5%
Adhesion[1]	40 oz/in (4.4 N/10mm)
Electrical Strength[1]	3000V
Insulation Resistance[1]	4.8 x 10^4 megohms
Electrolytic Corrosion Factor[2]	0.9
Functional for Life of Component	200°C

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

Test Methods:
[1]ASTM-D-1000
[2]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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