

# Scotch® 27

## Adhesive Glass Cloth Electrical Tape

### Description

Scotch 27 Woven Glass Cloth Electrical Tape is designed to operate in 600-volt dry applications where a high mechanical strength and high temperature resistant tape is required. The adhesive is a pressure-sensitive thermosetting rubber system which provides high initial tack. The glass cloth will not shrink, rot or burn, has high tensile strength and is specially treated and prepared to provide corrosion-free protection.

### Features

- UL Recognized Component listing for 150°C, Guide OANZ2, File E17385
- Provides heat stable insulation for hot spot applications
- CSA Accepted Component 130°C, File LR93411
- Excellent tensile and dielectric strength
- RoHS Compliant per EU 2002/95/EC

### Applications

- Fixing of coil insulation outer wrap
- Splicing wire SF & SFF rated 150°C and 180°C
- Insulating electric and induction type furnace power supply leads
- Insulating motor lead connections, switches and controls for furnaces and ovens
- Securing systems requiring high mechanical strength and resistance to high temperatures

### Typical Data / Properties<sup>1</sup>

Property	Typical Value <sup>2</sup>	Test Method
Colour	White	
Total Thickness	0.177 mm	ASTM-D-1000
Operating Temperature	150°C	
Ultimate Elongation	5%	ASTM-D-1000
Tensile Strength @ Break	262 N/cm	ASTM-D-1000
Adhesion to Steel	3.3 N/cm	ASTM-D-1000
Dielectric Strength	3000 volts	ASTM-D-1000
Insulation Resistance	4.8 x 10 <sup>4</sup> Megohms	
Electrolytic Corrosion Factor	0.9	3M Test Method

1: At -23°C room temperature.

2: These values are typical and should not be used for specification purposes.

### Availability

Tapes are slit in-house to your preferred width.

Widths: from 8mm to a maximum of 616mm wide

Standard Length: 55 metres

### Engineering / Architecture

All splices for 600-volt wire rated at 130°C shall be insulated with a minimum of two half-lapped layers of Scotch 27 Glass Cloth Electrical Tape.

### Shelf Life

This tape has a 5 year shelf life from date of manufacture when stored in a clean dry place at a temperature of 10 to 27°C in a humidity controlled environment at < 75% relative humidity. Stock rotation is recommended.



**Phone:** 1300 098 060

**Web:** [www.agaus.com.au](http://www.agaus.com.au)

REV: 1-10-2008

7005R11014AGDOCg

THIS INFORMATION SHOULD NOT BE TREATED AS A SUBSTITUTE FOR SPECIFIC TECHNICAL ADVICE. ASSOCIATED GASKETS DOES NOT GIVE SUCH ADVICE & CANNOT WARRANT THE PERFORMANCE OR SUITABILITY OF PRODUCTS FOR PARTICULAR APPLICATIONS.

**Associated Gaskets Pty Ltd providing Quality first solutions**