



## Technical Data Sheet

### 3M™ Thermosettable Glass Cloth Tape 3650



[Product Details](#)

#### Product Description

3M™ Glass Cloth Tape 3650 is a thermosettable rubber-resin adhesive tape coated onto a strong conformable glass backing for many applications requiring high adhesion for adhesion to a variety of surfaces. 3M tape 3650 is a film-lined version of 3M tape 365.

#### Product Features

- This adhesive provides good initial adhesion and tack. When subjected to a thermosetting cycle it will crosslink, providing greater adhesion and bonding, higher solvent resistance and higher heat resistance.
- Thermosetting is frequently achieved by ironing or heating the backing once the tape is applied. High adhesion is obtained by optimizing the time, temperature and pressure of the heat applied.
- Glass cloth backing for high tensile strength that helps increase productivity.
- Backing will not shrink or rot for excellent application protection.
- Firm at high temperature that helps increase productivity.
- Good solvent resistance to produce excellent bond.

#### Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

#### Typical Physical Properties

Attribute Name	Test Method	Value
Color		White
Adhesive Type		Thermosettable rubber-resin
Backing		Glass Cloth
Backing Thickness	ASTM D3652	0.12 mm (4.8 mil)
Total Tape Thickness	ASTM D3652	0.2 mm (8.3 mil)

#### Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	5.7 N/cm (52 oz/in) <sup>1</sup>
Elongation at Break	ASTM D3759		7 %
Tensile Strength	ASTM D3759		243 N/cm (139 lb/in)

<sup>1</sup> 304 mm/min (12 in/min)

## **Handling/Application Information**

### **Application Examples**

- Splicing or insulation applications requiring high tensile strength at elevated temperatures.
- As a corrosion resistant wrap on stainless steel hot air ducts.
- Splicing materials with rough surfaces or poor internal strength such as roofing felt, fiberglass or textiles.

### **Storage and Shelf Life**

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

### **Available Sizes**

Attribute Name	Value
Standard Roll Length	55 m (60 yd)
Standard Width	100, 125 mm (4, 5 in)

### **Information**

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### **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

### **For Additional Information**

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/industrialtape](http://www.3M.com/industrialtape).

3M™ Industrial Adhesives and Tapes Division  
3M Center, St. Paul, MN 55144-1000  
[3M.com/iatd](http://3M.com/iatd)

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