



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) ¹
Elongation at Break	ASTM D3759		7 %
Tensile Strength	ASTM D3759		243 N/cm (139 lb/in)

¹ 304 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.

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