



Thermosetable Glass Cloth Tapes

365 • 3650

Technical Data

May, 2003

Product Description

3M™ Glass Cloth Tapes 365 and 3650 are thermosetable rubber-resin adhesive tapes 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 poly-lined version of 3M tape 365.

Product Construction

Backing	Adhesive	Color	Standard Widths	Standard Roll Length
Glass cloth	Thermosetable rubber-resin	White	3M tape 365: 1/2, 3/4, 1, 2, 3, 4, 5 in. (13, 19, 25, 50, 75, 100, 125 mm) 3M tape 3650: 4, 5 in. (100, 125 mm)	60 yds. (55 m)

Typical Physical Properties

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

		ASTM Test Method
Adhesion to Steel:	52 oz./in. width (57 N/100 mm)	D-3330
Tensile Strength:	139 lbs./in. width (2430 N/100 mm)	D-3759
Elongation:	7%	D-3759
Backing Thickness:	4.8 mils (0.12 mm)	D-3652
Total Tape Thickness:	8.3 mils (0.20 mm)	D-3652

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.

Application Ideas

- 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.

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Shelf Life 3M™ Thermosetable Glass Cloth Tapes 365 and 3650 has a shelf life of 18 months from the date of manufacture.

Storage Store in a clean, dry environment between 60-80°F (15-27°C) and 40-50% relative humidity.

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. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

3M

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