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Thermosettable Glass Cloth Tapes

365 • 3650

Technical Data

May, 2003

Product Description	3M™ Glass Cloth Tapes 365 and 3650 are thermosettable 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.
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Product Construction	Backing	Adhesive	Color	Standard Widths	Standard Roll Length
	Glass cloth	Thermosettable 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)
	Tensile Strength:	139 lbs./in. width (2430 N/100 mm)
	Elongation:	7%
	Backing Thickness:	4.8 mils (0.12 mm)
	Total Tape Thickness:	8.3 mils (0.20 mm)

Features	<ul style="list-style-type: none">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.
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Application Ideas	<ul style="list-style-type: none">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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Industrial Business
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