



Glass Cloth Tape

398FR • 398FRP Printed Version

Technical Data

February, 2006

Product Description 3M™ Glass Cloth Tape 398FR has an acrylic adhesive for many applications requiring high adhesion, an abrasion-resistant backing and flame retardant properties. This product is typically used for sealing aircraft cargo bay panels to provide a permanent seal.

Construction	Backing	Adhesive	Color	Liner
	Glass Cloth	Acrylic	White	Blue HD Polyethylene Film

Typical Physical Properties and Performance Characteristics

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:	38 oz./in. width (42 N/100 mm)	D-3330
Tensile Strength:	130 lbs./in. width (2,276 N/100 mm)	D-3759
Backing Thickness:	5.0 mils (0.13 mm)	D-3652
Total Thickness:	7.0 mils (0.18 mm)	D-3652
Elongation at Break:	7%	D-3759
Weight:	6.8 ozs./sq. yd. (231 g/m ²)	D-1000
Operational Temperature Range:	-20°F to 250°F (-29°C to 121°C)	

Features

- Meets flame retardancy requirements of F.A.R. Part 25.853(a) and F.A.R. Part 25.855(d).
- 3M™ Glass Cloth Tape 398FR meets the requirements of and can be qualified to Boeing material specification BMS 5-146 Type I, Class I, Grade A.
- **EU compliant** per directive 2003/11/EC of the European Parliament and the Council of February 6, 2003, amending Council Directive 76/769/EEC which restricts the use of penta-BDE and octa-BDE flame retardants.
- Acrylic adhesive has excellent long aging properties ideal for many permanent applications.
- White color makes finished job look appealing.
- Formulation does not contain antimony.
- High conformability.

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Application Ideas

- Sealing thermal and acoustic insulation panels where high adhesion and flame retardancy are needed.
- Aircraft window sealing, duct sealing and seat repair.
- Protection of wire harnesses, electrical cables or hoses from temperature extremes and abrasion.
- Marine applications.
- Many general industrial uses.

Storage

Store in a clean dry place at 60-80°F (15-27°C).

Shelf Life

When stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Business Industrial Adhesives and Tapes Division

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