



# Glass Cloth Tape 398FR

*Flame retardancy and superior adhesion for aircraft  
MRO (Maintenance Repair Operations)*



Cargo area  
Tedlar panel  
sealing

Window  
sealing

Seat repair

Insulation  
splicing

Component  
labels

Other  
“fly-away”  
MRO

Other cabin  
and frame  
applications



3M™ Glass Cloth Tape 398FR is a flame retardant solution for cargo bays and other aerospace MRO applications. Pressure sensitive acrylic adhesive bonds on contact to many surfaces. High adhesion is secure for extended periods, resisting wear and spills. Removal is clean and easy when you are ready.

- Exceeds flame retardant standards (F.A.R. 25.853 (a) and 25.855 (d))
- Consistent performance when applied over existing tape splicing
- Conformable to properly splice uneven cargo panels while maintaining high durability to resist wear from heavy bags
- Maintains adhesion in climate and temperature variations
- Does not contain penta, octa or deca Brominated Diphenyl Ether
- EU compliant per directive 2003/11/EC of the European Parliament and the Council of February 6, 2003, regarding Council Directive 76/769/EEC
- Does not contain the heavy metal antimony trioxide
- Choice of F.A.R printed or unprinted backing and standard or skip slit liner

# 3M™ Glass Cloth Tape 398FR/398FRP

| Product Name | Size                   | 3M ID number 7000- | 3M UPC number 00-021200- | Structure (Backing/ Adhesive) | Total Thickness mils (mm) | Adhesion to steel oz./in. (N/100mm) | Tensile Strength lbs./in. (n/100mm) | Elongation at break % | Temperature Range               |
|--------------|------------------------|--------------------|--------------------------|-------------------------------|---------------------------|-------------------------------------|-------------------------------------|-----------------------|---------------------------------|
| 398FR        | 3/4" x 36 yd           | 6241775            | 96669-9                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | 1" x 36 yd             | 6241783            | 96670-5                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | 2" x 36 yd             | 6163698            | 96672-9                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | 3" x 36 yd             | 6163706            | 96673-6                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | 4" x 36 yd             | 6163714            | 96674-3                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | 6" x 36 yd             | 6241791            | 96671-2                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | Misc. Custom           | 0083587            | 00-48011-57416-5         | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FRP       | 2" x 36 yd             | 6241015            | 96676-7                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FRP       | 3" x 36 yd             | 6163680            | 96677-4                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FRP       | Misc. Custom           | 0083579            | 00-48011-58351-8         | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | Skip Slit Misc. Custom | 0114135            | 00-48011-57417-2         | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |
| 398FR        | Skip Slit 3" x 36 yd   | 6215290            | 96675-0                  | Glass Cloth/ Acrylic          | 7.0 mils (0.18mm)         | 38 oz./in. width (41.6 N/100mm)     | 140 lbs./in. width (2452 N/100mm)   | 7                     | -20°F to 250°F (-29°C to 121°C) |

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

**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.

**WARRANTY AND LIMITED REMEDY:** Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. **3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.** User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to repair or replace the product or refund the purchase price.

**LIMITATION OF LIABILITY:** Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



**Industrial Business  
Industrial Adhesives and Tapes Division**

900 Bush Avenue,  
Building 21-1W-10  
St. Paul, MN 55144-1000  
[www.3M.com/industrialtapes](http://www.3M.com/industrialtapes)



*Minimum 10% Post-Consumable Fiber*

3M is a trademark of 3M

Printed in U.S.A.  
© 3M 2005 70-0709-5346-1