



PRODUCT DATA SHEET

Gillfab™ 1694

DESCRIPTION

Gillfab™ 1694 is a high performance laminate made from fiberglass woven roving reinforced phenolic resin.

APPLICATIONS

The laminate is designed for use as high performance facing in aircraft interiors and other applications which require low smoke and toxic gas emission. Also used as ballistic armor laminate.

FEATURES

- Easy to machine
- Superior flammability properties
- Low smoke and toxic gas emission
- Economical alternative of high impact and ballistic laminate

AVAILABILITY

Thickness, inch (mm)	0.450 (11.43)	0.790 (20.07)
	0.526 (13.36)	0.960 (24.38)
	0.670 (17.02)	1.10 (27.94)
Length, inch (mm)	Typical 48 (1,219), Maximum 144 (3,658)	
Width, inch (mm)	Typical 48 (1,219), maximum 60 (1,524)	



CONSTRUCTION

**Reinforcement:** Woven fiberglass cloth  
**Resin System:** Phenolic

ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab™ 1394	Phenolic/woven fiberglass laminate for ballistic and high impact applications.
Gillfab™ 1042	Phenolic/woven fiberglass laminate for high temperature applications, service temperature up to 300°F (149°C).
Gillfab™ 1002	Phenolic/woven fiberglass laminate for higher temperature applications, service temperature up to 500°F (260°C).

HEALTH PRECAUTIONS

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Material Safety Data Sheet (MSDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. A MSDS is available at [www.thegillcorp.com/products/msds/html](http://www.thegillcorp.com/products/msds/html).

For industrial use only. Keep away from children. Additional information can be found at: [www.thegillcorp.com](http://www.thegillcorp.com). For sales and ordering information call 1-626-443-6094.



### PERFORMANCE PROPERTIES, TYPICAL

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The following tests are run in accordance with BMS 8-223 and ASTM standard test methods.

TGC Part Number	1694*
Weight, psf (kg/m <sup>2</sup> )	1.20 (5.86)
Thickness, inch (mm)	0.11 (2.79)
Edge Bearing, ksi (MPa) <sup>1</sup>	47 (326)
Tensile Strength, ksi (MPa) <sup>2</sup>	65 (448)
Edgewise Compressive, ksi (MPa) <sup>3</sup>	34 (234)
45 degree Shear Strength, ksi (MPa) <sup>2</sup>	6.5 (45)
Lap Sheer Strength, ksi (MPa) <sup>4</sup>	2.14 (15)

\*Note: Test performed on a 1694 0.110" sample.

<sup>1</sup> BMS 8-223

<sup>2</sup> ASTM D 638

<sup>3</sup> ASTM D 695

<sup>4</sup> ASTM D 3164

Figures shown reflect typical values and should not be used as design specifications.

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All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.