



## PRODUCT DATA SHEET

# Gillfab™ 1002

### DESCRIPTION

Gillfab™ 1002 is a high temperature laminate made from phenolic resin with fiberglass cloth reinforcement.

### APPLICATIONS

The laminate is designed to be used in structural applications near heat sources, where strength at elevated temperatures is required.

### FEATURES

- Very low smoke evolution in a fire
- High mechanical strength
- Heat resistant
- Can be painted with proper surface treatment
- Service temperature range: 350°F (177°C) in continuously elevated temperature, 500°F (260°C) in intermittently elevated temperature



### AVAILABILITY

Thickness, inch (mm)	0.020 (0.508) and up to 2.00 (50.80), in multiples of 0.010 (0.254)
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)



### CONSTRUCTION

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

### ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab™ 1042	Phenolic/woven fiberglass laminate for lower temperature application, service temperature up to 300°F (149°C).
Gillfab™ 1694	Phenolic/woven fiberglass laminate. Excellent impact strength and lower service temperature.

### SPECIFICATIONS

- Douglas DMS 1556
- Mil P 25515, Grade A

### 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**

The following tests are run in accordance with DMS 1556.

<b>TGC Part Number</b>	<b>1002-125</b>
Weight, psf (kg/m <sup>2</sup> )	1.20 (5.86)
Thickness, inch (mm)	0.125 (3.18)
Flexural Strength, ksi (Mpa)	
Ambient	69 (476)
160°F, 1/2 hr exposure	56 (386)
300°F, 1/2 hr exposure	43 (296)
500°F, 1/2 hr exposure	55 (379)
2 hr boil in deionize water	65 (448)
Flexural Modulus, msi (Gpa)	
Ambient	3.0 (21)
160°F, 1/2 hr exposure	3.0 (21)
300°F, 1/2 hr exposure	3.0 (21)
500°F, 1/2 hr exposure	3.0 (21)
2 hr boil in deionize water	2.5 (17)
Tensile Strength, ksi (Mpa)	
Ambient	45 (310)
300°F, 1/2 hr exposure	35 (241)
500°F, 1/2 hr exposure	30 (207)
2 hr boil in deionize water	38 (262)
Compression Strength, ksi (Mpa)	
Ambient	40 (276)
300°F, 1/2 hr exposure	33 (228)
500°F, 1/2 hr exposure	30 (207)
2 hr boil in deionize water	30 (207)
Water absorption, %	0.25
Barcol Hardness <sup>1</sup>	79
Flammability	Meets FAR 25.853 & 855 App F Part I

<sup>1</sup>Barcol hardness is a relative hardness measurement without unit.

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

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.