



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 Safety Data Sheet (SDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. A SDS is available at <https://www.thegillcorp.com/msds.php>.

For industrial use only. Keep away from children. Additional information can be found at: 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.

TGC Part Number	1002-125
Weight, psf (kg/m ²)	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 ¹	79
Flammability	Meets FAR 25.853 & 855 App F Part I

¹Barcol hardness is a relative hardness measurement without unit.

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

Updated: 10/01/18

All recommendations, statements, values and technical data herein are based on tests The Gill Corporation believes 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. Users shall rely on their own information and tests to determine suitability of the product for the intended use and assume all risks and liability resulting from their use of the product. The Gill Corporation's sole responsibility shall be to replace that portion of the product that proves to be defective. The Gill Corporation will not 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 not contained in a written agreement signed by an officer of The Gill Corporation shall not be binding upon The Gill Corporation. Gillfab® is a registered trademark of The Gill Corporation.