



## PRODUCT DATA SHEET

# Gillfab™ 4004B

### DESCRIPTION

Gillfab™ 4004B is a low smoke sandwich panel made from unidirectional fiberglass reinforced phenolic facings bonded to Gillcore™ HD Nomex® honeycomb core.

### APPLICATIONS

The panel is designed for use as flooring in the cargo areas of large commercial aircraft. The panel could be used as a low smoke, aircraft grade panel for galleys, flooring, and bulkheads. Three types of panels are available for high, medium and low strength applications.

### FEATURES

- High impact strength
- Corrosion resistant
- Low smoke and toxicity generation
- Light weight
- Service temperature range: to 180°F (80°C)

### AVAILABILITY

	4004B Ty I	4004B Ty II	4004B Ty II
Thickness, inch (mm)	0.280 (7.11) 0.405 (10.29)	0.280 (7.11) 0.405 (10.29) 0.780 (19.81)	0.280 (7.11) 0.405 (10.29)
Facings thickness, face/back, inch (mm)	0.015/0.015 (0.381/0.381)		
Core Type	High-density Gillcore™ HD Nomex®	Medium-density Gillcore™ HD Nomex®	Light-density Gillcore™ HD Nomex®
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)		
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)		



### CONSTRUCTION

- Adhesive:** Epoxy  
**Core:** Gillcore™ HD Nomex®  
**Facings Reinforcement:** Unidirectional glass fiber  
**Facings Resin System:** Phenolic

### ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab™ 4004A	Thicker skin on the face side. For use as passenger flooring in high load areas.

### SPECIFICATIONS

- BAe MAT 006 Ty 1-3



**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 MAT 006 specification requirements.

TGC Part Number	4004B Ty II	4004B Ty III
Thickness, inch (mm)	0.281 (7.14)	0.406 (10.31)
Weight, psf (kg/m <sup>2</sup> )	0.470 (2.29)	0.450 (2.20)
Long Beam Bending stress, psi (MPa)	52,873 (365)	39,666 (273)
Deflection @ 170 lbs, inch (@756N, mm)	1.68 (42.67)	0.73 (18.54)
Short Beam Shear Strength, psi (Mpa)	400 (2.76)	191 (1.32)
Drum Peel, in-lbs/3" width (N/76mm width), face/back	30 (133)	30 (133)
Flammability	Meet FAR 25.853 Part III	

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.