



PRODUCT DATA SHEET

Gillfab® 4034

DESCRIPTION

Gillfab® 4034 is a light weight and high performance sandwich panel made from unidirectional carbon fiber reinforced epoxy facings bonded to aluminum core.

APPLICATIONS

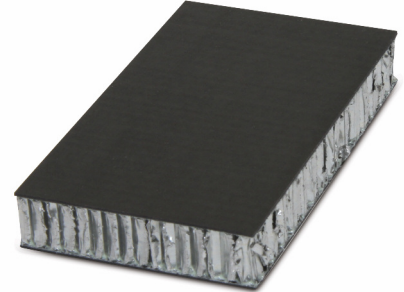
The panels are designed for use in aircraft cabin interior structures such as galleys, lavatories, bulkheads, partitions, storage compartments and electronic pocket doors.

FEATURES

- Light weight
- High strength
- Fire resistant
- Economical alternative interior panel

AVAILABILITY

Thickness, inch (mm)	0.125 (3.18)
	0.250 (6.35)
	0.375 (9.53)
	0.500 (12.70)
	0.625 (15.88)
	0.750 (19.05)
Facing thickness, face/back, inch (mm)	0.010/0.010 (0.254/0.254)
	0.020/0.020 (0.508/0.508)
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)



CONSTRUCTION

- Adhesive:** Epoxy film
Core: Aluminum 5052
Facings Reinforcement: Unidirectional carbon fiber with glass cloth overlay and underlay
Facings Resin System: Epoxy

SPECIFICATIONS

- Dassault Falcon Jet Drawing No. 7700262 – interior applications FAR 25.853 – fire resistance

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 Dassault Dwg. 7700262.

TGCPart Number	4034-500	
Weight, psf (kg/m ²)	0.385 (1.88)*	
Long Beam Bending, lbs (N) 503 (2,237)		
Deflection @ 100 lbs, inch (@ 445N, mm)	0.234 (5.94)	
Panel Shear, lbs (N)	L	240 (1,068)
	W	139 (618)
Drum Peel, in-lbs/3" width (N/76mm width)	Face	32 (142)
	Back	31 (138)
Stabilized Compression, psi (N/mm ²)	336 (2.32)	
Warpage, in/ft (mm/m)	0.04 (1.02)	
Flammability	Meet FAR 25.853 App F Part I	

Test performed on a 0.500" sample with 0.010"/0.010" facings and 5052 aluminum core.

* Average = 0.437 psf, 2.13 kg/m²

Max = 0.458 psf, 2.23 kg/m²

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

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.