



PRODUCT DATA SHEET

Gillfab® 4022

DESCRIPTION

Gillfab® 4022 is a sandwich panel with facings of woven fiberglass reinforced phenolic bonded to meta-aramid honeycomb core.

APPLICATIONS

The panel is designed for use in aircraft galley and bulk head and ceiling panels in public transit vehicles, where light weight and low smoke emission are major concerns.

FEATURES

- Low smoke emission
- Good impact and corrosion resistance
- Good burn through protection
- Service temperature range: 180°F (80°C)

AVAILABILITY

Thickness, inch (mm)	0.362 (9.19)
	0.378 (0.601)
	0.400 (10.16)
	0.500 (12.70)
	0.980 (24.89)
	1.200 (30.48)
Facing thickness, face/back, inch (mm)	0.020/0.020 (0.508/0.508)
	0.030/0.030 (0.762/0.762)
	0.040/0.030 (1.016/0.762)
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)
Honeycomb	Medium-density Gillcore® HD meta-aramid honeycomb



CONSTRUCTION

- Adhesive:** Epoxy film
Core: Meta-aramid
Facings Reinforcement: Woven fiberglass cloth
Facings Resin System: Phenolic

ALTERNATIVE GILL PRODUCTS

TGC Product No.	Difference
Gillfab® 4122A	Use of phenolic adhesive results in lower strength and less smoke emission.

SPECIFICATIONS

- FAR 25853 Flammability

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 DAC 9D0059 specification requirements.

TGC Part Number	4022
Panel Weight, psf (kg/m ²)	0.943 (4.60)
Panel Thickness, inch (mm)	0.403 (10.24)
Skin Thickness, face/back, inch (mm)	0.040/0.030 (1.02/0.76)
Flatwise Compression, psi (Mpa)	1,893 (13,05)
Long Beam Bending, lbs (N)	708 (3,149)
Deflection, inch (mm)	0.383 (9.73)
Drum Peel, in-lbs/3" width (N-m/76mm width)	40 (4.52)
Flammability	Meets FAR 25.853 & 855 App F Part I and III

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

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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.