



PRODUCT DATA SHEET

Gillfab® 5071A/5072A

DESCRIPTION

Gillfab® 5071A and 5072A are light weight, high performance sandwich panels made from fiberglass cloth reinforced phenolic facings bonded to Gillcore® Nomex® honeycomb.

APPLICATIONS

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

FEATURES

- Low heat release
- Low smoke and toxicity generation
- Superior moisture and corrosion resistance
- Uniform, non-porous facings facilitate the application of paint or other decorative overlays with minimal surface preparation
- Easily cut and machined
- Service temperature to: 180°F (80°C)

AVAILABILITY

	5071A	5072A
Thickness, inch (mm)	0.236 - 1.00 (6.00 - 25.4)	0.120 - 1.00 (3.05 - 25.4)
Facings, face/back, inch (mm)	Minimum 0.010/0.010 (0.25/0.25) Standard 0.020/0.020 (0.51/0.51) in 0.010 (0.25) increments	Standard/Minimum 0.018/0.018 (0.46/0.46) in 0.018 (0.46) increments
Length, inch (mm)	Standard 96 (2,438), Maximum 144 (3,658)	
Width, inch (mm)	Standard 48 (1,219), Maximum 60 (1,524)	
Honeycomb	Gillcore® HD with the option of various cell sizes and low/mid densities	
Options	1.5 mil Dawn Grey Tedlar® can be added on one or both sides	



CONSTRUCTION

- Core:** Gillcore® Nomex®
- Facings Reinforcement:** Woven fiberglass cloth
- Facings Resin System:** Phenolic

SPECIFICATIONS

- FAR/JAR Part 25 Appendix F Parts I, IV, and V: flammability, heat release rate, and smoke density



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 ASTM standard test methods.

TGC Part Number		5071A500	5072A500
Thickness, inch (mm)		0.505 (12.8)	0.498 (12.6)
Weight, psf (kg/m ²)		0.595 (2.95)	0.570 (2.78)
Panel Shear ¹ , lbs (N)	Ribbon	442 (1,966)	689 (3,065)
	Transverse	224 (996)	367 (1,632)
Long Beam Bending ¹ , lbs (N)	Ribbon	366 (1,628)	325 (1,446)
	Transverse	220 (979)	335(1,490)
Deflection @ 100 lbs ¹ , inch (445N, mm)	Ribbon	0.45 (11.46)	0.51 (12.80)
	Transverse	0.48 (12.19)	0.45 (11.46)
Climbing Drum Peel ² , in-lbs/3" (N/76mm)	Ribbon, top	31 (137)	31 (137)
	Ribbon, bottom	32 (142)	34 (151)
	Transverse, top	28 (125)	35 (156)
	Transverse, bottom	25 (111)	34 (151)
Stabilize Compression ³ , psi (MPa)		300 (2.07)	646 (4.45)
Impact Strength ⁴ , ft-lbs (N-m)		51 (69)	58 (78)
Flammability		Meet FAR 25.853 App F Part I (a)(1)(i)	

¹Test in accordance with ASTM C-393

²Test in accordance with ASTM D-1781

³Test in accordance with ASTM C-365

⁴Test in accordance with ASTM D-5420

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® and Gillcore® are registered trademarks of The Gill Corporation.