

**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® meta-aramid 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 meta-aramid can be added on one or both sides	

**CONSTRUCTION**

Core:	Gillcore® meta-aramid
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 D-7249 (previously 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.

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