



PRODUCT DATA SHEET

Gillfab® 5075

DESCRIPTION

Gillfab® 5075 is a family of light weight and high performance sandwich panels made from woven fiberglass reinforced phenolic facing bonded to Gillcore® HD meta-aramid honeycomb. Gillfab® 5075 is the basic construction. Gillfab® 5075T offers options of 2 mil white polyvinyl fluoride film or 1.5mil granite gray polyvinyl fluoride film on the back side of the panel. Gillfab® 5075E offers the same options on both sides of the panel.



APPLICATIONS

The panel is designed for use in aircraft cabin interior structures such as galleys, lavatories, bulkheads, partitions, stowage compartments and crew rests.

FEATURES

- Extremely low heat release, fire, smoke and toxicity values provide maximum margins for the application of most decorative finishes
- Uniform, non-porous facings facilitate the application of paint or other decorative overlays with minimal surface preparation
- Superior resistance to moisture and corrosion
- Easily cut and machined
- Available with polyvinyl fluoride film overlay for cosmetic finish
- Service temperature range: up to 180°F (80°C)



AVAILABILITY

Thickness, inch (mm)	0.250 (6.35) 0.375 (9.53) 0.500 (12.7)	0.750 (19.05), 1.00 (25.40)
Facing, face/back, inch (mm)	0.010/0.010 (0.254/0.254) 0.015/0.015 (0.381/0.381) 0.020/0.020 (0.508/0.508)	
Length, inch (mm)	Typical 60 (1,524), Maximum 144 (3,658)	
Width, inch (mm)	Typical 48 (1,219), Maximum 72 (1,829)	
Honeycomb	Light-density Gillcore® HD Meta-aramid Honeycomb	

CONSTRUCTION

- Adhesive:** Hot melt adhesive
- Core:** Gillcore® HD meta-aramid
- Facings Reinforcement:** Woven fiberglass cloth
- Facings Resin System:** Phenolic

SPECIFICATIONS

- FAR/JAR 25.853 – flammability, heat release, and smoke density requirements
- FAR/JAR Part 25 Appendix F, Parts I, IV, and V



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 SAE Aerospace Material Specification and ASTM standard method.

TGC Part Number		5075
Panel Weight, psf (kg/m ²)		0.5 (2.3)
Panel Thickness, inch (mm)		1.00 (25.40)
Drum Peel ¹ , in-lbs/3" width (N-m/76mm width)		25 (2.82)
Gardner Impact Strength ² , in-lbs (N-m)		15 (1.69)
Flatwise compression ¹ , psi (Mpa)		284 (1.96)
Panel Shear Strength ¹ , lbs (N)	Ribbon	745 (3,314)
	Transverse	431 (1,917)
Long Beam Bending ¹ , lbs (N)	Ribbon	392 (1,744)
Smoke Emission, D _s		Meet FAR 25 App F Part V
Heat Release Rate		Meet FAR 25 App F Part IV
Flammability		Meet FAR 25.853 App F Part I (a)(1)(i)

*Based on 0.015/0.015 facing

¹AMS STD 401B

²ASTM D5420

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