



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 Nomex® honeycomb. Gillfab® 5075 is the basic construction. Gillfab® 5075T offers options of 2 mil white Tedlar® or 1.5mil granite gray Tedlar® 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 Tedlar® 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 Nomex® Honeycomb	



CONSTRUCTION

- Adhesive:** Hot melt adhesive
- Core:** Gillcore® HD Nomex®
- 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.

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.