



PRODUCT DATA SHEET

Gillfab® 5023A

DESCRIPTION

Gillfab® 5023A is a lightweight and low smoke emission sandwich panel made from woven fiberglass reinforced phenolic facings bonded to foam core.

APPLICATIONS

The panel is designed for use in aircraft cabin interior structures as well as aerospace service carts and trolleys. Panel can also be used for non-aerospace applications where a foam core panel with fire resistance and low smoke emission is desired.

FEATURES

- Low smoke emission
- Fire resistant
- Uniform, non-porous facings facilitate the application of paint or other decorative overlays with minimal surface preparation
- Easily cut and machined

AVAILABILITY

Thickness, inch (mm)	0.177 (4.50)
Facing Thickness, Face/back, inch (mm)	0.010/0.010 (0.254/0.254)
Length, inch (mm)	Typical 96.4 (2,448)
Width, inch (mm)	Typical 39.7 (1,008)
Foam Core Density pcf (kg/m ³)	4.37 (70), 6.24 (100), 9.36 (150)

Alternate face skins available upon request.

CONSTRUCTION

Adhesive: Modified phenolic
Core: Foam core
Facings Reinforcement: Fiberglass cloth
Facings Resin System: Phenolic

1 mil white polyvinyl fluoride film overlay can be added to one or both sides.

SPECIFICATIONS

- FAR 25.853 – 60 second vertical flammability requirement.





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. An 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 order information call 1-626-443-6094.

PERFORMANCE PROPERTIES, TYPICAL

The following tests are run in accordance with ASTM standard methods.

TGC Part Number	5023A		
PET Foam Density pcf (kg/m ³)	4.37 (70)	6.24 (100)	9.36 (150)
Thickness, inch (mm)	0.177 (4.50)	0.177 (4.50)	0.177 (4.50)
Weight, psf (kg/m ²)	0.305 (1.49)	0.333 (1.63)	0.379 (1.85)
Long Beam Bending ¹ , lbf (N), Ribbon	60 (266)	100 (444)	160 (711)
Stabilized Compression ² , psi (MPa)	140 (0.965)	210 (1.44)	400 (2.75)
Thermal Conductivity ³ , BTU-inch/hrft ² °F (W/mK)	0.2746 (0.0396)		
Flammability	Meets FAR 25.853 App F Part I (a)(1)(i)		

Table shown reflects typical values and should not be used as design specifications.

¹Long Beam Bending was tested and calculated per ASTM D7249 (Quarter Point Loading – 12-inch specimen)

²Stabilized Compression was tested and calculated per ASTM C365.

³Thermal Conductivity was tested and calculated per ASTM C518.

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