



## PRODUCT DATA SHEET

## Gillfab® 4036

## DESCRIPTION

Gillfab® 4036 is a lightweight sandwich panel made from thin epoxy-fiberglass reinforced facings bonded to aluminum honeycomb core.

## APPLICATIONS

Designed for use in interior applications such as wall partitions.

## FEATURES

- Very light-weight panel with thin facing skin
- Low smoke generation & fire resistant
- Good strength-to-weight ratio

## AVAILABILITY

	4036-125	4036-250	4036-375
Thickness, inch (mm)	0.125 (3.18)	0.250 (6.35)	0.375 (9.53)
Facing, face / back, inch (mm)	0.005 / 0.005 (0.127 / 0.127)	0.005 / 0.005 (0.127 / 0.127)	0.005 / 0.005 (0.127 / 0.127)
Length, inch (mm)	144 (3,657.6)		
Width, inch (mm)	48 (1,219.2)		



## CONSTRUCTION

**Adhesive:** Epoxy film  
**Core:** Aluminum Honeycomb  
**Reinforcement:** Fiberglass  
**Resin System:** Epoxy

## SPECIFICATIONS

- DFJ 7700253

## 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](http://www.thegillcorp.com). For sales and order information call 1-626-443-6094.



**PERFORMANCE PROPERTIES, TYPICAL**

The following tests are conducted on Gillfab® 4036-375 panel in accordance with ASTM & The Gill Corporation internal test methods.

Test Type	Results	Test Method
Areal Weight, lb/ft <sup>2</sup> (kg/m <sup>2</sup> )	0.250 (1.22)	ASTM C271
Thickness, inch (mm)	0.373 (9.47)	ASTM C366
Warpage, in (mm)	0.240 (2.1)	Maximum individual, per TGC-GTP 45
Long Beam Flexure, Ribbon, RTA		ASTM D7249
Ultimate Load, lbf (N)	82 (365)	(4-Point Loading: 10 inches load span, 20 inches support span. Specimen size: 24 inches x 3 inches)
Deflection at 40 lbf, inch (mm)	0.897 (23)	
Long Beam Flexure, Transverse, RTA		ASTM D7249
Ultimate Load, lbf (N)	68 (302)	(4-Point Loading: 10 inches load span, 20 inches support span. Specimen size: 24 inches x 3 inches)
Deflection at 40 lbf, inch (mm)	0.892 (23)	
Short Beam Shear, Ribbon, RTA		ASTM C393
Ultimate Load, lbf (N)	513 (2,282)	(4-Point Bend: 4 inches load span, 5.6 inches support span. Specimen size: 8 inches x 3 inches)
Short Beam Shear, Transverse-RTA		ASTM C393
Ultimate Load, lbf (N)	314 (1,397)	(4-Point Bend: 4 inches load span, 5.6 inches support span. Specimen size: 8 inches x 3 inches)
Stabilized Core Compression, RTA		ASTM C365
Ultimate Load, lbf/in <sup>2</sup> (MPa)	350 (2.4)	
Climbing Drum Peel, Ribbon, RTA		ASTM D1781
in.lbf per 3 in. width (mm.kg per 76 mm width)	17 (8)	
Flammability-60 seconds Vertical		FAR PART 25 APPENDIX F, PART 1a (1) (i)
Self-extinguishing time, seconds	0	
Burn length, inch (mm)	2.2 (56)	
Drip extinguish time, second	0	
Rate of Heat Release (OSU)		FAR PART 25 APPENDIX F, PART IV
Maximum Heat Release, kW/m <sup>2</sup>	52	
Total Heat Release within 2 min., seconds	37	
Smoke Density (Flaming Mode)		FAR PART 25 APPENDIX F, PART V
Average Maximum Specific Optical Density (D <sub>m</sub> ) during 4-minute test, Average <sup>4</sup> D <sub>m</sub>	75	

Figure shown reflects typical values and should not be used as design specifications.  
RTA: Room Temperature Ambient

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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® is a registered trademark of The Gill Corporation.