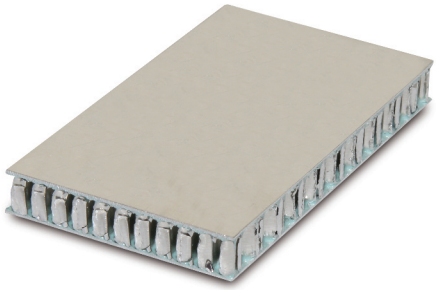
M.C. GILL CORPORATION

PRODUCT DATA SHEET

Gillfab™ 4030

DESCRIPTION

Gillfab™ 4030 is a semi-structural sandwich panel made from aluminum facings bonded to aluminum honeycomb core.



APPLICATIONS

The panel is designed for use in aircraft interiors including bulkheads, shelving, and galley panels. The skin thickness, alloy, honeycomb density, and panel thickness can be ordered to meet end use requirements.

FEATURES

- High strength-to-weight ratio
- Wide selection of cores and facing alloys available for general purpose sandwich panel
- Service temperature: -70°F (-56°C) to 160°F (70°C)



AVAILABILITY

Thickness, inch (mm)	0.125 - 2.00 (3.175 - 50.8)
MCG Designation of Facing type	4030-Alclad or bare aluminum, 2024-T3 or 7075-T6 4030X Anodized Aluminum, 2024-T3 4030L Alodined Aluminum, 2024-T3 4030H Alodined Aluminum, low heat release, 2024-T3 4030C Alodined Al Clad, 2024-T3, low heat release and electrical conductive
Facing thickness, inch (mm)	0.010 - 0.100 (0.254 - 2.54)
Length, inch (mm)	Typical 96 (2,438), Maximum 144 (3,658)
Width, inch (mm)	Typical 48 (1,219), Maximum 60 (1,524)
Honeycomb	5052 & 5056 Aluminum light to medium-density core

CONSTRUCTION

Adhesive: Epoxy
Core: Aluminum core (5052 or 5056)
Skin: Aluminum skins (2024-T3 or 7075-T6)

HEALTH PRECAUTIONS

This product is safe to use and apply when recommended precautions are followed. Before using this product, read and understand the Material Safety Data Sheet (MSDS), which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. A MSDS is available at www.mcgillcorp.com/products/msds/html.

For industrial use only. Keep away from children. Additional information can be found at: www.mcgillcorp.com. For sales and ordering information call 1-626-443-6094.

4056 Easy Street, El Monte, CA 91731-1087, USA
626-443-4022
info@mcgillcorp.com
www.mcgillcorp.com

M.C. GILL CORPORATION

Gillfab™ 4030
Product Data Sheet

PERFORMANCE PROPERTIES, TYPICAL

The following tests are run in accordance with MEP 02-010, ASTM-C-393, ASTM-D-1781 and ASTM-C-365.

MCG Part Number		4030-250001AA2D[1]	4030-385003CC2P[1]	4030-500003CC2P[1]	4030-750003CC2P[1]	4030-500003CC2N
Skin Thickness, inch (mm)		0.011/0.011 (0.28/0.28)	020/020 (0.51/0.51)	020/020 (0.51/0.51)	020/020 (0.51/0.51)	020/020 (0.51/0.51)
Skin Type		2024-T3	2024-T3	2024-T3	2024-T3	2024-T3, Anodized
Core Type Cell Size-density-type		3/8-2.3# 5052N	3/8-5.7# 5052N	3/16-5.7# 5052N	3/16-5.7# 5052N	1/8-4.5 # 5052N
Weight, psf (kg/m^2)		0.48 (2.34)	0.87 (4.25)	0.94 (4.59)	1.07 (5.22)	0.86 (4.20)
Thickness, inch (mm)		0.250 (6.35)	0.384 (9.75)	0.510 (12.95)	0.745 (18.92)	0.498 (12.65)
Long Beam Bending, lbs (N) 20 inch span	Ribbon direction	143 (636)	511 (2,273)	723 (3,216)	1,801 (8,011)	609 (2,709)[2]
	Transverse direction	N/A	N/A	N/A	N/A	536 (2,384)[2]
Deflection @100 lbs, inch (@445N, mm)		0.890 (22.6)	0.247 (6.27)	0.134 (3.40)	0.059 (1.50)	N/A
Short Beam Bending, lbs (N) 6 inch span	Ribbon direction	N/A	1,447 (6,437)	1,839 (8,180)	2,603 (1,1,579)	1,198 (5,329)[2]
	Transverse direction	N/A	895 (3,981)	1,015 (4,515)	1,444 (6,423)	663 (2,92
Climbing Drum Peel, in-lbs/3" width (N/76mm width), Ribbon direction		N/A	95 (422)	99 (440)	97 (431)	84/78 (374/347)[3]
Core Compression, psi (MPa)		273 (1.88)	1,267 (8.74)	1,154 (7.96)	1,261 (8.69)	677 (4.67)[4]
Flammability		Meet FAR 25.853 App F Part I				

[1] Embraer MEP 02-010
[2] ASTM C 393
[3] ASTM D 1781, measurements on the face and back sides.
[4] ASTM C 365

All recommendations, statements and technical data herein are based on tests we believe 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. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall 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 other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

© M.C. Gill Corporation 08/13. All rights reserved.