



Gillfab™ 4034 Panel

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Description

Gillfab™ 4034 panel is a high performance sandwich panel with epoxy resin pre-impregnated carbon facings and aluminum core.

Applications

Designed for use in aircraft

Features

- Skin Material: Epoxy resin pre-impregnated carbon facings with glass overlay encapsulating carbon.
- Core Material: 0.125 cell, 3.1 pcf, 5052 aluminum core material.

Availability

Thickness: 0.125, 0.188, 0.250, 0.375, 0.500, 0.625 and 0.750

Specifications

Dassault Falcon Jet Drawing No. 7700262 – interior applications
FAR 25.853 – fire resistance.

Construction

Resin: Epoxy
Reinforcement: Unidirectional carbon fiber with galvanic corrosion protection

Standard Tolerances

Thickness: ± 0.010 ins
Length and Width: $+ 0.5$ ins, $- 0$ ""



Properties of Gillfab™ 4034 Panel
0.500 inch thick sandwich panel

Property	Typical
Weight, psf (kg/m ²)	0.444 (2.168)
Thickness, inches (mm)	0.507 (12.878)
Stabilized Core Compression, psi (MPa)	379 (2.613)
Flexural Strength, in-lb/in (mm-N/mm)	
Ribbon Direction	383 (1703.67)
Transverse Direction	434 (1930.53)
45° Angle	135 (600.50)
Shot Beam Shear, psi (MPa)	
Ribbon Direction	264 (1.82)
Transverse Direction	157 (1.08)
Sandwich Peel, in-lb/3 in (Nm/76mm)	27 (3.05)
Warpage, maximum individual, in/ft (mm)	0.0048 (0.122)
60 Second Vertical Flammability	
Ribbon Direction	
Extinguishing Time, seconds	0.3
Burn Length, inches (mm)	1.2 (30.5)
Drip Extinguishing Time, seconds	0
Transverse Direction	
Extinguishing Time, seconds	0.3
Burn Length, inches (mm)	0.9 (22.9)
Drip Extinguishing Time, seconds	0

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M.C. Gill Corporation
4056 Easy Street
El Monte, CA 91731-1087 USA
626-443-4022 info@mcgillcorp.com

M.C. Gill Europe Ltd. - Insoleq
23 Enterprise Road, Balloo Industrial Estate South
Bangor Co-Down BT19 7TA, Northern Ireland
+44 (0) 2891 470073 sales@insoleq.co.uk

www.mcgillcorp.com

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