THE GILL CORPORATION

PRODUCT DATA SHEET

Gilliner® 1366D

DESCRIPTION

Gilliner® 1366D is a high impact resistant and high wear resistant liner constructed from woven E-glass and S-glass cloth with nylon surface scrim and polyester resin system to optimize strength, weight, and cost. The combination of E- and S-glass reinforcement yields a higher strength-to-weight ratio as compared to E-glass only. This product also features a resin rich surface to prevent wear through over frame sections and attach points that are associated with repetitive bulk cargo loading.

APPLICATIONS

Cargo liners for cargo compartment, bulkhead facing for aircraft.
Designed for lower sidewalls where in-service conditions may result in wear through over frame sections, impact damage and/or fastener hole tear out at attach points.

FEATURES

- High impact strength
- High abrasion and wear resistance
- Superior strength-to-weight ratio
- Fire resistant

AVAILABILITY

	Sheet Form	Roll Form
Thickness, inch (mm)	0.045 (1.14) 0.060 (1.52)	0.045 (1.14) -
Length	Typical 144 inch (3,658 mm)	Typical 150 feet (45,720 mm)
Width	Typical 48 inch (1,219 mm) Maximum 72 inch (1,829 mm)	Typical 48 inch (1,219 mm) Maximum 60 inch (1,524 mm)
Color	Natural	

CONSTRUCTION

Resin: Polyester
Reinforcement: Woven E- and S-glass fiber cloth
Surface: Nylon surface scrim

SPECIFICATIONS

- FAR Part 25 Appendix F Parts I and III (burn through)

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.

4056 Easy Street, El Monte, CA 91731-1087, USA
626-443-4022

info@thegillcorp.com
www.thegillcorp.com

PERFORMANCE PROPERTIES, TYPICAL

TGC Part Number		1366D045	1366D060
Thickness, inch (mm)		0.045 (1.14)	0.060 (1.52)
Weight, psf (kg/m^2)		0.42 (2.05)	0.61 (2.98)
Tensile Strength[1], ksi (MPa)	Warp	77 (531)	87 (600)
	Fill		72 (496)
Abrasion Resistance[2], g/1000 cycles		0.02	0.06
Impact Strength[3], ft-lb (N-m)		32 (43)	41 (56)
Edge Bearing Strength[4], ksi (MPa)	Warp	47 (324)	56 (386)
	Fill	44 (303)	46 (317)
Flexural Strength[5], ksi (MPa)	Warp	35 (241)	
	Fill		
Flexural Tangent Modulus[5], Msi (GPa)	Warp	2.5 (17)	2.5 (17)
	Fill		2.9 (20)
Flammability		Meets FAR 25.853 & 855 Appendix F Part I & III	

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

[1] Tensile Strength was tested and calculated per ASTM D638.

[2] Abrasion resistance was tested per ASTM D3389 with CS-10 Wheel, 500 grams of weight, and minor modifications to specimen preparation.

[3] Impact Strength was tested calculated per ASTM D5420 using a modified dart and specimen test frame.

[4] Edge Bearing Strength was calculated per ASTM D953 using a modified tension loading fixture.

[5] Flexural Strength and Modulus were tested and calculated per ASTM D790.

Updated: 08/22/22

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.