THE GILL CORPORATION

PRODUCT DATA SHEET

Gilliner® 1569A/1570A

DESCRIPTION

Gilliner® 1569A and 1570A are high impact resistant grade liners constructed of woven E- and S-glass cloth with a polyester resin system to optimize strength, weight and cost. This product offers superior mechanical properties and higher strength-to-weight ratio compared to all E glass constructions. 1 mil. white polyvinyl fluoride film overlay on the face side is included for Gilliner® 1570A.

APPLICATIONS

Aircraft cargo compartment liner for general purpose use.

FEATURES

- High impact strength
- Abrasion resistant
- Corrosion resistant
- Fire resistant

AVAILABILITY

	Sheet Form	Roll Form
Thickness, inch (mm)	0.011 (0.28) 0.020 (0.51) 0.030 (0.76) 0.045 (1.14) 0.070 (1.78)	0.011 (0.28) 0.020 (0.51) 0.030 (0.76) 0.045 (1.14)
Length	Typical 144 inch (3,658 mm) Maximum 168 inch (4,267 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 or White	

CONSTRUCTION

Resin: Polyester
Reinforcement: Woven E- and S-glass fiber cloth
Surface: 1 mil. white polyvinyl fluoride film overlay (for 1570A)

SPECIFICATIONS

- BMS8-2, Class 2 Grade A and Grade B
- 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 order inginformation call 1-626-443-6094.

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PERFORMANCE PROPERTIES, TYPICAL

TGC Part Number		1569A011	1569A020	1569A030	1569A045	1569A070
Thickness, inch (mm)		0.011 (0.28)	0.020 (0.51)	0.030 (0.76)	0.045 (1.14)	0.070 (1.78)
Weight, psf (kg/m^2)		0.12 (0.59)	0.18 (0.88)	0.30 (1.46)	0.43 (2.10)	0.71 (3.47)
Tensile Strength[1], ksi (MPa)	Warp	66 (455)	68 (469)	61 (421)	57 (393)	63 (434)
	Fill		56 (386)	51 (352)	53 (365)	60 (414)
Water Absorption[2], % Increase		1				
Abrasion Resistance[3], g/1000 cycles		0.1				
Impact Strength[4], ft-lb (N-m)		13 (18)	16 (22)	20 (27)	32 (43)	47 (64)
Edge Bearing Strength[5], ksi (MPa)	Warp	45 (310)				
	Fill					
Flexural Strength[6], ksi (MPa)	Warp	N/A			32 (221)	35 (241)
	Fill				30 (207)	32 (221)
Flexural Tangent Modulus[6], Msi (GPa)	Warp	N/A			2.9 (20)	3.4 (23)
	Fill				2.5 (17)	
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] Water Absorption was tested and calculated per ASTM D570.

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

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

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

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

Updated: 04/22/22