



PRODUCT DATA SHEET

Gilliner® 1568A

DESCRIPTION

Gilliner® 1568A is a high wear-resistant liner constructed from woven E-glass cloth with a polyester resin system. This product features resin rich surfaces to address wear through over frame sections and attachment points that are associated with repetitive bulk cargo loading.

APPLICATIONS

Cargo liners for cargo compartment, bulkhead facing for aircraft. Designed for upper and lower sidewalls and bulkhead facings for aircraft 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 abrasion and wear resistance
- Superior strength to weight ratio
- Fire resistant
- Superior impact strength

AVAILABILITY

	Sheet Form	Roll Form
Thickness, inch (mm)	0.020 (0.51) 0.045 (1.14)	0.020 (0.51) 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	



Cargo bay with Gilliner® 1568A sidewalls and ceiling.

CONSTRUCTION

Resin: Polyester
Reinforcement: Woven E-glass fiber cloth
Surface: Glossy polyester resin/fiber matrix

SPECIFICATIONS

- BMS 8-2, Class 3 Grade A
- 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. 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. For sales and ordering information call 1-626-443-6094.



PERFORMANCE PROPERTIES, TYPICAL

TGC Part Number		1568A020	1568A045
Thickness, inch (mm)		0.020 (0.51)	0.045 (1.14)
Weight, psf (kg/m ²)		0.20 (1.03)	0.46 (2.44)
Tensile Strength ¹ , ksi (MPa)	Warp	74 (510)	70 (483)
	Fill	64 (441)	54 (372)
Water Absorption ² , % Increase		0.5	
Impact Strength ³ , ft-lb (N-m)		11 (15)	23 (31)
Edge Bearing Strength ⁴ , ksi (MPa)	Warp	50 (345)	38 (262)
	Fill	43 (296)	35 (241)
Flexural Strength ⁵ , ksi (MPa)	Warp	N/A	46 (317)
	Fill		44 (303)
Flexural Tangent Modulus ⁵ , Msi (GPa)	Warp	N/A	2.6 (18)
	Fill		3.0 (21)
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 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.

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