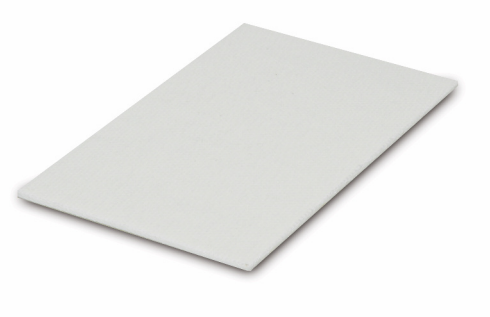
THE GILL CORPORATION

PRODUCT DATA SHEET

Gilliner® 1076C

DESCRIPTION

Gilliner® 1076C is general purpose Grade liner constructed from woven E-glass cloth with a polyester resin system. This product has good mechanical strength for use in the cargo compartment areas, bulkhead facings and blowout panels for commercial aircraft.



APPLICATIONS

Cargo liners for cargo compartment, bulkhead facings and blowout panels for aircraft.

FEATURES

- Good strength to weight ratio
- Fire resistant
- Service temperature to 180°F (82°C)

AVAILABILITY

Available in sheet form or roll form

Thickness, inch (mm)	0.013 (0.33) 0.023 (0.58) 0.035 (0.89) 0.045 (1.14)	0.059 (1.50) 0.070 (1.78) 0.090 (2.30)
Length	Maximum 144 in (3,658 mm) in sheet form Maximum 150 feet (45,720 mm) in roll form	
Width, inch (mm)	Typical 48 (1,219), Maximum 72 (1,829) in sheet form Maximum 60 (1,524) in roll form	
Color	Natural	

CONSTRUCTION

Resin: Polyester
Reinforcement: Woven E-glass fiber cloth
Surface: Glossy

SPECIFICATIONS

- BMS 8-2 CL1 Grade A

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.

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PERFORMANCE PROPERTIES, TYPICAL

The following tests are run in accordance with BMS 8-2 specification requirements.

TGC Part Number	1076C Type 13	1076C Type 23	1076C Type 35	1076C Type 45	1076C Type 59	1076C Type 70
Thickness, in (mm)	0.011 (0.28)	0.021 (0.53)	0.033 (0.84)	0.043 (1.09)	0.055 (1.40)	0.066 (1.78)
Weight, psf (kg/m^2)	0.11 (0.54)	0.21 (1.03)	0.32 (1.56)	0.45 (2.20)	0.55 (2.68)	0.64 (3.12)
Tensile strength						
Warp direction, ksi (mpa)	62 (427)	69 (476)	66 (455)	83 (572)	72 (496)	70 (482)
Fill direction, ksi (mpa)	48 (331)	63 (434)	57 (393)	62 (427)	52 (358)	54 (372)
Flexural strength						
Warp direction, ksi (mpa)	-	-	-	60 (413)	55 (379)	50 (344)
Fill direction, ksi (mpa)	-	-	-	55 (379)	54 (372)	47 (324)
Flexural modulus						
Warp direction, ksi (mpa)	-	-	-	2.5 (17.2)	2.7 (18.6)	2.8 (19.3)
Fill direction, ksi (mpa)	-	-	-	2.6 (17.9)	2.8 (19.3)	2.9 (20.0)
Water absorption, %	0.44	0.48	0.30	0.33	0.46	0.15
Bond strength, lbs (N)	549 (2,442)	1094 (4,866)	851 (3,785)	868 (3,861)	1,025 (4,559)	971 (4,319)
Flammability	Meets requirements of FAR 25.853 & 855 Appendix F Part I & III					

Figures shown reflect typical values and should not be used as design specifications.