



## PRODUCT DATA SHEET

# Gilliner® 1076D (refer to the Specification section below for current qualifications)

### DESCRIPTION

Gilliner® 1076D is a high wear resistant grade liner constructed from woven E-glass Cloth with a polyester resin system introduced specifically for use in the B737 lower sidewall. This product features resin rich surfaces to address 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 abrasion and wear resistance
- Superior strength to weight ratio
- Superior fire resistance and impact strength
- Service temperature to 180°F (82°C)

### AVAILABILITY

Thickness, inch (mm)	0.020 (0.51) and 0.045 (1.14)
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 60 (1,524) for roll Typical 48 (1,219), Maximum 72 (1,829) for sheet
Color	Natural



### CONSTRUCTION

- Resin:** Polyester
- Reinforcement:** Woven E-glass fiber cloth  
Non-woven adhesive carrier for high wear resistant applications
- Surface:** Glossy

### SPECIFICATIONS

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

Specification Name	Previous Qualifications	Current Qualifications
Boeing BMS 8-2 Class 3 Grade A Types 20, 45	1076D	1568A

Refer to the PDS of the current qualifications for the most recent data sheet.

### 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](http://www.thegillcorp.com). For sales and ordering information call 1-626-443-6094.



**PERFORMANCE PROPERTIES, TYPICAL**

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

TGC Part Number	1076D Type 20	1076D Type 45
Thickness, in (mm)	0.020 (0.51)	0.045 (1.14)
Weight, psf (kg/m <sup>2</sup> )	0.10 (0.49)	0.47 (2.29)
Tensile Strength		
Warp direction, ksi (mpa)	73 (503)	73 (503)
Fill direction, ksi (mpa)	57 (393)	66 (455)
Flexural Strength		
Warp direction, ksi (mpa)	N/A	46 (317)
Fill direction, ksi (mpa)	N/A	44 (303)
Flexural Modulus		
Warp direction, ksi (mpa)	N/A	2.6 (18.0)
Fill direction, ksi (mpa)	N/A	3.0 (21.0)
Water Absorption, %	0.84	0.40
Bond Strength, lbs (N)	848 (3,772)	918 (4,083)
Impact, ft-lbs (N-m)	11 (15)	23 (31)
Edge Bearing Strength		
Warp direction, ksi (mpa)	50 (345)	38 (262)
Fill direction, ksi (mpa)	43 (296)	35 (241)
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.

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