

**Gillfab™ 1367G Laminate**

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Description

Gillfab 1367G is a high impact resistant, low smoke and toxicity, fiberglass reinforced phenolic laminate

Applications

Aircraft cargo compartment liner.

Features

- High mechanical strength, puncture resistance and corrosion resistance.
- Service temperature range: To 220°F.
- White Tedlar overlay on face side for surface reflectivity.

Specifications

- Boeing BMS 8-223, Class 5, Grade B, all types
- FAR Part 25 Appendix F Parts I and III (Burn Through)

Availability

Thickness: inches (mm)	0.007" and 0.027"
Length:	Up to 168". Also available in rolls up to 150' (if .030" or thinner and 60" or narrower).
Width:	Up to 72"
Color:	White on face side, amber on back side.

Construction

Resin: Modified phenolic.
Reinforcement: Woven glass cloth.
Surface: 1 mil white Tedlar® overlay.

Standard Tolerances

Thickness:	+/-0.002" for 0.007" and +/-0.004" for 0.027"
Length:	+ 0.5", - 0"
Width:	+ 0.5", - 0"
Warp Twist	3% of dimension measured



Alternative Gill Products

Product Number	Difference
Gillfab 1167	Qualified to DMS 2226 Type 1 Class 1. Very similar, but higher impact values and stiffer.
Gillfab 1366	High impact resistant cargo liner. Polyester resin system has higher smoke emission; qualified to Boeing Specification BMS 8-2 Class 2 Grade A.
Gillfab 1367	Predecessor to 1367A; very similar, but higher impact resistance.
Gillfab 1367B	Predecessor for 1367A; very similar, but lighter weight
Gillfab 1367C	Same as 1367A but manufactured in roll stock in lengths up to 150' and up to .030" thick
Gillfab 1076A	General purpose cargo liner qualified to Boeing Specification BMS 8-2, Cl 1, Gr A.

Properties of Gillfab 1367G BMS8-223 Types 7 and 27 Typical Average Property Values

Property	Unit	Test Method	Type 7	Type 27
Weight	lb/ft ² (kg/m ²)	BMS8-223	0.067 (0.33)	0.259 (1.26)
Thickness	inches (mm)	BMS8-223	0.007 (0.18)	0.027 (0.69)
Water Absorption	%	ASTM D 570	1.9	1.7
Impact Strength	Ft-lb (N-m)	BSS7326	12 (16.3)	30 (41)
Climbing Drum Peel Warp Fill	in-lb (N-m)/3 in width	BMS8-223	NR	77 (8.7) 84 (9.5)
Edge Bearing, Warp Fill	ksi (MPa)	BMS8-223	45 (310) 49 (338)	45 (310) 44 (303)
Tedlar Peel, Warp Fill	lbs/in (kg/m)	BMS8-223	2.7 (49) 3.0 (54)	2.8 (50) 2.8 (50)
Flammability -60 Second Vertical Self-Extinguishing Time	seconds	FAR Part 25 Appendix F, Part I	1.2	1.5
Burn Length	inches (mm)		1.5 (38)	1.2 (30)
Drip Extinguishing Time	seconds		None	None
Smoke Density	Ds@ 4 minutes	ASTM F 814-83	24	59
Burn Through Resistance	FAR Part 25, Appendix F, Part III	Pass	Pass	
Weight	lb/ft ² (kg/m ²)	BMS8-223	0.067 (0.33)	0.259 (1.26)
NR – No Requirement				

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