



Gilliner™ 1166/1266 Laminate

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Description

Gilliner 1266 is a fiberglass cloth laminate with a glossy white .004" thick resin coating of Gillcoat™ on the face side.

Applications

Aircraft cargo compartment liner.
Lower sidewalls and flooring - Gilliner 1266.
Upper sidewalls and ceiling - Gilliner 1166.

Features

- Glossy white surface.
- High impact resistance, rigid.
- Corrosion and abrasion resistant Gillcoat surface.
- Service temperature range: -100°F to 180°F.

Specifications

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

Availability

Thickness: .016", .020", .030 and up, in .01" increments.

Length: Sheets to 14'.

Width: Up to 72" in multiples of 12".

Construction

Resin: Fire resistant polyester.
Reinforcement: Fiberglass cloth.
Surface: .004" Gillcoated coating on Gilliner 1266.

Standard Tolerances

Thickness: +/- 10%
Length: + 0.5", - 0"
Width: + 0.5", - 0"
Weight: +/- 10%



Alternative Gill Products

Product Number	Difference
Gillfab 1066	Same impact but less rigid, lower cost, and no Gillcoat.
Gillfab 1166	Same construction as 1266 except there is no Gillcoat on the face side. Gillfab 1266 is .004" thicker due to Gillcoat.
Gillfab 1176	Low smoke laminate with white Tedlar [®] (1 mil thick) on surface.
Gillfab 1366	Higher impact and higher cost, thickness for thickness.

Properties of Gillfab 1166

Based on 0.070" Thick Laminates

PROPERTY	TEST METHOD	UNIT	VALUE
Weight	ASTM 29	lb/sq ft (kg/sq m)	0.686 (3.35)
Thickness	ASTM C366	inch (mm)	0.072 (1.83)
Water Absorption	FTMS 406-7031	%	1.66
Impact Note 1	DMS 1946	ft-lb (N-m)	45 (61.1)
Edge Bearing Strength	BMS 8-262		
Warp		ksi (MPa)	38.82 (267.8)
Fill		ksi (MPa)	38.56 (265.9)
Bolted Joint Strength	DMS 1946		
Warp		lb(N)	629 (2798)
Fill		lb (N)	611 (2718)
Flammability - 60 Second Vertical	FAR 25.853		
Self-Extinguishing Time		second	0
Burn Length		inch (mm)	2.2 (55.9)
Drip Extinguishing Time		second	0
Flammability - 45 Degree	FAR 25.853		
Self-Extinguishing Time		second	0
Glow Time		second	0
Penetration		---	None
Oil Burner Note 2	FAR 25.855	---	Pass
Note 1 - Determined using Gardner Model 11K3 impactor and 2 lb dart.			
Note 2 - Test performed by U. S. Testing in accordance with the procedure outlined in Appendix F, Part III of FAR 25.855, "Oil Burner - Burn through Resistance".			

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