



## Gillpatch™ 6006 System

September 2003

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### Description

Gillpatch™ 6006 System is a fiberglass reinforced polyester laminate with a pressure sensitive adhesive applied to the back side. With shelf life of 3 years from date of manufacture.

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### Applications

Designed as a patch for holes and tears in cargo compartment liners; used primarily on flat wall applications.

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### Features

- Made from light weight, high impact Gilliner™ 1066 cargo liner.
- Self sticking adhesive with easy peel backing paper makes hole repair possible in minutes.
- Not affected by normal temperature variations.

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### Specifications

- FAR 25.855, except Appendix F, Part III (burn through resistance). Fire resistance.

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### Construction

Resin:	Fire resistant polyester.
Reinforcement:	Continuous filament woven glass cloth.
Adhesive:	.011" pressure sensitive adhesive.

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### Availability

Thickness:	.026".
Size:	4 1/2" x 4 1/2", 6" x 6", 9" x 9", 12" x 12" or 36" x 72" (large sheets on special order).

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### Standard Tolerances

Thickness:	± 10%
Length:	± .063"
Width:	± .063"



## Alternative Gill Products

Product Number	Difference
Gillpatch™ III 6306 System	Approved for use in Class B through E cargo or baggage compartments as defined in FAR 25.857.

### Properties of Gillpatch™ 6006 System

Based on .060" Thick Laminate

Property	Test Method	Typical Values	
		English	(Metric)
<b>Mechanical</b>			
Tested in warp direction at room temperature.			
Flexural strength, ksi (MPa)	FTMS406-1031	18	(124)
Flexural modulus, msi (GPa)	FTMS406-1031	0.8	(5.52)
Tensile strength, ksi (MPa)	FTMS406-1011	38	(261.78)
Tensile modulus, msi (GPa)	FTMS406-1011	0.8	(5.52)
Compressive strength, ksi (MPa)	FTMS406-1021	9	(62)
Bearing Strength, ksi (MPa)	FTMS406-1051	12	(83)
Shear strength, ksi (MPa)	FTMS406-1041	18	(124)
<b>After 2 hour boil</b>			
Flexural strength, ksi (MPa)	FTMS406-1031	12	(83)
Flexural modulus, msi (GPa)	FTMS406-1031	0.5	(3.4)
Tensile strength, ksi (MPa)	FTMS406-1011	30	(207)
Tensile modulus, msi (GPa)	FTMS406-1011	0.5	(3.4)
Compressive strength, ksi (MPa)	FTMS406-1021	6	(41)
<b>Physical</b>			
Weight, psf (kg/m <sup>2</sup> )		0.60	(2.93)
Resin content, % avg.	FTMS406-7061	38	
Barcol hardness, min.	MODEL 934-1	30	
Water absorption, % max.	FTMS406-7031	2.5	
<b>Flammability</b>			
12 sec. vertical exposure	FAR 25.853b	Pass	

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