



FAA ALLOWABLE¹

NORBOND™ 220-0133-125

Upper Skin Material Thickness	One Ply 7781 Style E-Glass / Epoxy Resin 0.010 inch
Lower Skin Material Thickness	One Ply 7781 Style E-Glass / Epoxy Resin 0.010 inch
Core Material	Honeycomb - Fibrous Aramid/Phenolic Coated
Density	1/8 inch cell size; 3.0 lb/ft ³ ; Aramid Fiber Paper

² Panel Property	Test Results Value		Failure Mode	Tested IAW
Max Weight, lb/ft ²	0.250		---	---
Typical Weight, lb/ft ²	0.233		---	---
Thickness, inch	0.125 ± 0.010		---	ASTM C 366
³ Warpage, inch	0.025 max		---	---
Long Beam Flexure "L" Direction Skin Stress, psi "L" Direction P/Y, lb/in "W" Direction Skin Stress, psi "W" Direction P/Y, lb/in	A-Basis	B-Basis	Upper Skin Compression	ASTM C 393 ASTM D 7249
	27,445	31,690		
	140	147		
	21,634	25,391		
	134	148		
Short Beam Shear "L" Direction Stress, psi "W" Direction Stress, psi			Core Shear	ASTM C 393
	123	180		
	99	120		
Stabilized Core Compression, psi	289	330	Core Crush	ASTM C 365
Climbing Drum Peel, in-lb/3-inch width	Minimum		Cohesive	ASTM D 1781
	15			

1/ 8110-3 available on request.

2/ Panel meets FAR 25.853a, 60 second vertical burn requirements.

3/ Panel warpage is measured as a maximum deviation from a straight line in a 4 foot span.

NOTICE: All data and statements concerning this product are based upon FAA witnessed testing by NORDAM under controlled conditions. This information, therefore, may be considered as being indicative of representative properties and characteristics obtainable. **This data has been FAA DER witnessed.** We make no warranty, expressed or implied, concerning its use, nor do we accept responsibility for any misapplications of this product, or its use under any conditions.