



FAA ALLOWABLE¹
NORBOND™ 221-0155-375

Upper Skin Material Thickness	Two Plies 7781 Style E-Glass / Phenolic Resin 0.020 inch
Lower Skin Material Thickness	Two Plies 7781 Style E-Glass / Phenolic Resin 0.020 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	0.531		---	---
Typical Weight, lb/ft ²	0.498		---	---
Thickness, inch	0.375 ± 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
	22,732	25,394		
	65.6	78		
	11,715	15,757		
	56.7	70.1		
Short Beam Shear "L" Direction Stress, psi "W" Direction Stress, psi			Core Shear	ASTM C 393
	152	162		
	66.3	82.2		
Stabilized Core Compression, psi	114	218	Core Crush	ASTM C 365
Climbing Drum Peel, in-lb/3-inch width	Minimum 11		Cohesive	ASTM D 1781

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.