



FAA ALLOWABLE¹

NORBOND™ 220-0155-125

Upper Skin Material Thickness	Two Plies 7781 Style E-Glass / Epoxy Resin 0.020 inch
Lower Skin Material Thickness	Two Plies 7781 Style E-Glass / Epoxy 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	0.462		---	---
Typical Weight, lb/ft ²	0.435		---	---
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
	21,677	23,676		
	130	142		
	13,057	15,495		
	134	145		
Short Beam Shear "L" Direction Stress, psi "W" Direction Stress, psi			Core Shear	ASTM C 393
	263	300		
	158	197		
Stabilized Core Compression, psi	320	422	Core Crush	ASTM C 365
Climbing Drum Peel, in-lb/3-inch width	Minimum 15		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.