



FAA ALLOWABLE¹

NORBOND™ 220-0155-1000

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	0.703		---	---	
Typical Weight, lb/ft ²	0.654		---	---	
Thickness, inch	1.000 ± 0.010		---	ASTM C 366	
³ Warpage, inch	0.025 max		---	---	
Long Beam Flexure	A-Basis	B-Basis	Upper Skin Compression	ASTM C 393 ASTM D 7249	
	"L" Direction Skin Stress, psi	29,910			33,221
	"L" Direction P/Y, lb/in	515			553
	"W" Direction Skin Stress, psi	27,370			31,026
	"W" Direction P/Y, lb/in	483			536
Short Beam Shear			Core Shear	ASTM C 393	
	"L" Direction Stress, psi	122			143
	"W" Direction Stress, psi	71.5			82.8
Stabilized Core Compression, psi	255	287	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.