Premium Panel

NORBOND™ NB220-0155-750

Technical Data Sheet

Upper Skin Material	E-Glass / Epoxy Resin
Lower Skin Material	E-Glass / Epoxy Resin
Core Material	Aramid Fiber Paper
Core Density	1/8 inch cell size; 3.0 lb/ft³
Max Weight	0.634 lb/ft^2
Typical Weight	0.592 lb/ft^2
Panel Thickness	0.750 in. ± 0.010 in.
Warpage[1]	0.025 in. maximum

Tested Physical Properties[2]	**Test Results Value**[2]		**Failure Mode**[2]	**Tested IAW**[2]
	A-Basis	**B-Basis**		
Long Beam Flexure[3]				
"L" Direction Skin Stress, psi	26,969	30,066		
"L" Direction P/Y, lb/in	459	512	Upper Skin Compression	ASTM C 393 ASTM D 7249
"W" Direction Skin Stress, psi	34,694	35,643		
"W" Direction P/Y, lb/in	312	336		
Short Beam Shear[3]				
"L" Direction Stress, psi	132	152	Core Shear	ASTM C 393
"W" Direction Stress, psi	61	77		
Stabilized Core Compression, psi	251	283	Core Crush	ASTM C 365

Panel meets FAR 25.853(a)'s 60-second vertical burn requirements.

1: Panel warpage is measured as a maximum deviation from a straight line in a 4-foot span.

2: FAA approved allowables' data, per applicable FAA Form 8110-3, which is available upon request.

3: All data was calculated using a skin thickness of .020 inches.

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