



# Premium Panel

## NORLAM™ NL610-10733-375

### Technical Data Sheet

<b>Upper Skin Material</b>	2024-T3 Aluminum Clad
<b>Lower Skin Material</b>	2024-T3 Aluminum Clad
<b>Core Material</b>	5052 Aluminum Core
<b>Core Density</b>	3/16 inch cell size; 5.7 lb/ft <sup>3</sup>
<b>Max Weight</b>	0.979 lb/ft <sup>2</sup>
<b>Typical Weight</b>	0.861 lb/ft <sup>2</sup>
<b>Panel Thickness</b>	0.375 in. ± 0.010 in.
<b>Warpage<sup>[1]</sup></b>	0.025 in. maximum

Tested Physical Properties <sup>[2]</sup>	Results Value <sup>[2]</sup>		Failure Mode <sup>[2]</sup>	Tested IAW <sup>[2]</sup>
	A-Basis	B-Basis		
Long Beam Flexure <sup>[3]</sup>				
"L" Direction Skin Stress, psi	56,991	58,386	Upper Skin Compression	ASTM C 393 ASTM D 7249
"L" Direction P/Y, lb/in	638	647		
"W" Direction Skin Stress, psi	55,610	58,340		
"W" Direction P/Y, lb/in	626	636		
Short Beam Shear <sup>[3]</sup>				
"L" Direction Stress, psi	464	506	Core Shear	ASTM C 393
"W" Direction Stress, psi	373	379		
Stabilized Core Compression, psi	813	880	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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