## 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
- 0.353 lb/ft²

## Typical Weight
- 0.327 lb/ft²

## Panel Thickness
- 0.500 in. ± 0.010 in.

## Warpage
- 0.025 in. maximum

### Tested Physical Properties

<table>
<thead>
<tr>
<th>Tested Property</th>
<th>Test Results Value</th>
<th>Failure Mode</th>
<th>Tested IAW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Beam Flexure[^3]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;L&quot; Direction Skin Stress, psi</td>
<td>26,568</td>
<td>29,140</td>
<td>Upper Skin</td>
</tr>
<tr>
<td>&quot;L&quot; Direction P/Y, lb/in</td>
<td>110</td>
<td>119</td>
<td></td>
</tr>
<tr>
<td>&quot;W&quot; Direction Skin Stress, psi</td>
<td>21,896</td>
<td>24,750</td>
<td></td>
</tr>
<tr>
<td>&quot;W&quot; Direction P/Y, lb/in</td>
<td>93</td>
<td>97</td>
<td></td>
</tr>
</tbody>
</table>

| Short Beam Shear[^3]                    |                    |              |            |
| "L" Direction Stress, psi              | 136                | 144          | Core Shear | ASTM C 393 |
| "W" Direction Stress, psi              | 78                 | 91           |            |             |

| Stabilized Core Compression, psi        | 250                | 282          | Core Crush | ASTM C 365 |

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

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[^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 .010 inches.

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SAP#: DS-NB220-0133-500
Revision NC 9/5/2018