Ultracor UCF-281-3/16-15.0 is used in structural applications where high mechanical performance is paramount and low density remains a primary concern.

The standard sheet size for Ultracor is approximately 36” L (ribbon) x 24” W by specified T. Thickness tolerance is maintained at ± 0.006”. Tighter thickness tolerances are available per customer’s request.

Custom sheet sizes are available. Ultracor can splice material into virtually any dimension. We can provide core sheets curved into various radii.

**ULTRACOR PRODUCT DESIGNATIONS**

Ultracor products are designated by use of a series of letters and numbers, as follows:

**UCF-281-3/16-15.0**, in which:

- “**U**” represents Ultracor honeycomb core
- “**CF**” indicates the material used is Carbon Fiber
- “**281**” determines the product code number under which the details of construction are documented
- “**3/16**” indicates a 3/16” cell size
- “**15.0**” indicates a nominal density in pounds per cubic foot (lbs/ft³)

**ULTRACOR MECHANICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Ultracor Product Code</th>
<th>Construction Materials</th>
<th>Compressive ASTM C365</th>
<th>Shear ASTM C273</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Stabilized L Direction</td>
<td>W Direction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Strength (psi)</td>
<td>Modulus (ksi)</td>
</tr>
<tr>
<td>UCF-281-3/16-15.0</td>
<td>High Modulus PAN/Cyanate Ester</td>
<td>2413</td>
<td>130</td>
</tr>
</tbody>
</table>

Results are typical