ULTRACOR
Engineered Specialty Honeycomb

CARBON FIBER HONEYCOMB CORE
UCF-278-3/8-3.5

Ultracor UCF-278-3/8-3.5 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-278-3/8-3.5**, in which:

- “**U**” represents Ultracor honeycomb core
- “**CF**” indicates the material used is Carbon Fiber
- “**278**” determines the product code number under which the details of construction are documented
- “**3/8**” indicates a 3/8” cell size
- “**3.5**” indicates a nominal density in pounds per cubic foot (lbs/ft³)

ULTRACOR MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Ultracor</th>
<th>Construction Materials</th>
<th>Compressive ASTM C365</th>
<th>Shear ASTM C273</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td></td>
<td>Stabilized L Direction</td>
<td>W Direction</td>
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<tr>
<td></td>
<td></td>
<td>Strength (psi)</td>
<td>Modulus (ksi)</td>
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<tr>
<td>UCF-278-3/8-3.5</td>
<td>PAN Unitape/Epoxy Resin</td>
<td>865</td>
<td>74.0</td>
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