CARBON FIBER HONEYCOMB CORE

UCF-208F-3/8-2.0

Ultracor UCF-208F-3/8-2.0 is a flexible core material used for structures were thermal stability is an absolute requirement. This material has a zero coefficient of thermal expansion (CTE). It is appropriate for lightly loaded structures where low weight and high performance are concerns.

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-208F-3/8-2.0, in which:

“U” represents Ultracor honeycomb core

“CF” indicates the material used is Carbon Fiber

“208F” determines the product code number under which the details of construction are documented and “F” signifies Ultraflex flexible geometry

“3/8” indicates a 3/8” cell size

“2.0” 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>
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<tr>
<td></td>
<td></td>
<td>Strength (psi)</td>
<td>Modulus (ksi)</td>
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<tr>
<td>UCF-208F-3/8-2.0</td>
<td>Pitch Carbon Fabric/ Cyanate Ester</td>
<td>159</td>
<td>16.9</td>
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