Carlisle Carbon Composites
Grade T26-HDP

General Product Information
Continuous Fiber Construction For High Strength.
Carbon / Carbon material heat treated to 2000 C.
Low Ash, Excellent Oxidation Resistance.

Typical Physical Properties

<table>
<thead>
<tr>
<th></th>
<th>Direction</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk Density</td>
<td>N/A</td>
<td>1.75 g/cc</td>
</tr>
<tr>
<td>Total Porosity</td>
<td>N/A</td>
<td>5%</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>In-Plane</td>
<td>21,000 psi</td>
</tr>
<tr>
<td></td>
<td>Perpendicular</td>
<td>17,000 psi</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>In-Plane</td>
<td>16,000 psi</td>
</tr>
<tr>
<td></td>
<td>Perpendicular</td>
<td>10,000 psi</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td></td>
<td>4.0 x 10⁶ psi</td>
</tr>
<tr>
<td>Young’s Modulus</td>
<td></td>
<td>5.2 x 10⁶ psi</td>
</tr>
<tr>
<td>Thermal Conductivity</td>
<td>In-Plane</td>
<td>60 W / m-K</td>
</tr>
<tr>
<td></td>
<td>Perpendicular</td>
<td>30 W / m-K</td>
</tr>
<tr>
<td>Secant Value CTE</td>
<td>In-Plane</td>
<td>1.9 x 10⁻⁶ / °C</td>
</tr>
<tr>
<td>(ambient to 1500 ºC)</td>
<td>Perpendicular</td>
<td>9.3 x 10⁻⁶ / °C</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>In-Plane</td>
<td>15,000 psi</td>
</tr>
<tr>
<td>Ash Content</td>
<td></td>
<td>21 ppm</td>
</tr>
<tr>
<td>Rockwell Hardness</td>
<td>(R15X Scale)</td>
<td>85</td>
</tr>
</tbody>
</table>

Available Stock Sizes
Diameters up to 24”; thickness 0.2”-4.0”, and cross sections ranging from 12” x 12” up to 17” x 17”.
Special sizing available upon request.