PRODUCT DATA SHEET

TenCate Cetex® XTS 3L & 4L are continuous fiber reinforced thermoplastic (CFRT®) composite laminates. They blend the benefits of a thermoplastic polymer alloy with uni-directional glass fibers for enhanced performance. The XTS style laminate is offered in 3 layer (0°/90°/0° fiber orientations) and 4 layer (0°/90°/90°/0° fiber orientations) construction that is ultra-thin, lightweight, and resilient for improved energy return.

PRODUCT BENEFITS/FEATURES

- Uni-directional glass (330) fibers
- Lightest weight, thin multiple layers
- Available in black

Composition:

Fibers: Uni Directional Glass (330), fiber content: 35% (3 layer) and 35% (4 layer)
Resin: ABS polymer blend, polymer or resin: 65%
(Note: Percentages are by volume and are nominal values)

TENCA T XTS 3L & 4L MATERIAL PROPERTIES

Specific Gravity: 1.41 g/cc

Thickness: 3 Layer: 0.9mm (.035 inches), 4 Layer: 1.1mm (.043 inches) nominal.
Color: Black
Size: Cut to customer specifications from sheet of 91 x 122 cm (36 x 48 inches)

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Method</th>
<th>Results: 3 Layer</th>
<th>Results: 4 Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Rigidity</td>
<td>RTL</td>
<td>ASTM D790-10</td>
<td>13.9 lb/in² 41 N/cm²</td>
<td>18 lb/in² 52.7 N/cm²</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>RTL</td>
<td>ASTM D790-10</td>
<td>2.9 Msi 20 GPa</td>
<td>2.7 Msi 18.6 GPa</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>RTL</td>
<td>ASTM D790-10</td>
<td>65.3 ksi 450 MPa</td>
<td>77.9 ksi 537 MPa</td>
</tr>
</tbody>
</table>

TYPICAL CONSOLIDATION PARAMETERS OR PROCESSING INFO

Recommended Processing Temperatures: Forming 195°C to 200°C (383°F - 392°F) Bonding 55°C to 60°C (131°F - 140°F)