PRODUCT DATA SHEET

TenCate AG18-2L
CFRT® Woven Series
Glass Fiber

PRODUCTS DESCRIPTION
TenCate Cetex® AG18-2L is a continuous fiber reinforced thermoplastic (CFRT®) composite laminate. It blends the benefits of a thermoplastic polymer alloy with woven glass fibers in a plain weave for enhanced performance. The AG18-2L style laminate is available in a dual-layer product with glass fibers in both direction (0° & 90°) this construction is ultra-thin, lightweight, and resilient for improved energy return.

PRODUCT BENEFITS/FEATURES
- Plain weave of glass (330) fibers
- Bi-directional glass reinforcement
- Lightest weight, thin multiple layers
- Available in various colors

Composition:
Fibers...................... Glass (330) fiber content: 55%
Resin ....................... PMMA impact modified proprietary thermoplastic resin: (45%) (Note: Percentages are by volume and are nominal values)

TENCATE AG18-2L MATERIAL PROPERTIES
Specific Gravity................................. 4 Tow per inch: 1.65; 5 Tow per inch: 1.65
Thickness: 0.86mm (.034 inches) nominal (multilayer construction). Available in dual ply laminates.
Color: Various
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>Results: 4 Tow per inch</th>
<th>Results: 5 Tow per inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Rigidity</td>
<td>RTD</td>
<td>7.9 lbs-in²</td>
<td>9.5 lbs-in²</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>RTD</td>
<td>1.9 Msi</td>
<td>2.3 Msi</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>RTD</td>
<td>70ksi</td>
<td>90 ksi</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)

PERFORMANCE versus COST

Cetex® and CFRT® are registered trademarks of Royal TenCate. All data given is based on representative samples of the materials in question. Since the method and circumstances under which these materials are processed and tested are key to their performance, and TenCate Advanced Composites has no assurance of how its customers will use the material, the corporation cannot guarantee these properties.

Revised 5/2017

Page 1 of 1
AG18-2L_DS_050917

TENCATE PERFORMANCE COMPOSITES

1150 Calle Suerte.
Camarillo, CA 93012 USA
Tel: +1 805 482 1722

5035 N. Services Road, Building A-1
Burlington, L7L 5V2 CAN
Tel: +1 905 332 0991

www.tencateperformancecomposites.com
tcpsales@tencate.com (USA)