PRODUCT DATA SHEET

DESCRIPTION
TenCate Cetex® TC930 is a thermoplastic composite using a high density polyethylene (HDPE) matrix. This product is commonly used in pipe overwrapping applications because of its high hoop strength, low modulus and excellent chemical resistance. TenCate TC930 is available in a pigmented glass-reinforced tape.

FEATURES
› Good toughness
› High strength
› Good chemical and solvent resistance
› Excellent hoop reinforcement strength
› Lightweight

PRODUCT TYPE
High Density Polyethylene Composite

TYPICAL APPLICATIONS
› Pipe overwrap
› Ambient temperature storage
› Excellent impact resistance
› UV resistance

SHELF LIFE
Indefinite at 25°C (77°F)

MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Properties</th>
<th>Condition</th>
<th>Method</th>
<th>Typical Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength 0°</td>
<td>RTD</td>
<td>ASTM D 3039</td>
<td>678 MPa 98 ksi</td>
</tr>
<tr>
<td>Tensile Modulus 0°</td>
<td>RTD</td>
<td>ASTM D 3039</td>
<td>28.3 GPa 4.1 Msi</td>
</tr>
<tr>
<td>Flexural Strength 0°</td>
<td>RTD</td>
<td>ASTM D 790</td>
<td>546 MPa 79 ksi</td>
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<tr>
<td>Flexural Modulus 0°</td>
<td>RTD</td>
<td>ASTM D 790</td>
<td>29.2 GPa 4.2 Msi</td>
</tr>
<tr>
<td>Compressive Strength 0°</td>
<td>RTD</td>
<td>ASTM D 3410</td>
<td>111 MPa 16 ksi</td>
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<tr>
<td>Short Beam Shear ILSS</td>
<td>RTD</td>
<td>ASTM D 2344</td>
<td>13.4 MPa 1.9 ksi</td>
</tr>
</tbody>
</table>

TenCate Cetex® TC930 Fiberglass Fiber HDPE Uni-Directional Tape
Resin content by weight at 50%. Composite density 1.55 g/cm³. Tape width 164 mm (6.5 inches). Tape thickness 0.27 mm (0.011 inches). Recommended processing temperature is 182–199°C (360–390°F)

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Contact Information
18255 Sutter Blvd.
Morgan Hill, CA 95037 USA
+1 408 465 8500
Amber Drive, Langley Mill
Nottingham, NG16 4BE UK
+44 (0)1773 530899
info@tcac-usa.com (North America/Asia)
tcacsales@tencate.com (Europe)
www.tencatecomposites.com