PRODUCT DATA SHEET

Cetex® TC960
PP Thermoplastic Composite

PRODUCT DESCRIPTION
TenCate Cetex TC960 (formerly PMC/Baycomp CFRT® PP) is a polypropylene-based thermoplastic unidirectional tape. This thermoplastic composite is designed for applications which require high impact resistance, but where cost is a factor. The impact toughness of glass fiber/polypropylene composites make them ideal for use in truck bodies, vehicles and vehicle enclosures.

TENCA TE CETEX TC960 PRODUCT BENEFITS/FEATURES

- Good toughness
- Good chemical and solvent resistance
- Lightweight

NEAT RESIN DATA
Density ............................................................... 0.9 g/cc
Melt Temperature Tm ......................................... 320°F/160°C
Tensile Strength .................................................. 4.7 ksi/32 Mpa
Tensile Modulus .................................................. 0.13 Msi/0.9 GPa
Elongation, Ultimate ........................................... 100%
Izod Impact Strength Notched .......................... 0.9/ft-lbs/in
Hardness Shore D .............................................. 69
Heat Deflection Temperature ......................... 130°F/54°C
UL94  rating ....................................................... HB

TENCA TE CETEX TC960 FIBERGLASS FIBER PP UNITAPE
Resin content by weight at 40%. Composite Density 1.49 g/cm³.
Tape Width 164 mm (6.5 inches). Tape Thickness 0.27 mm (0.011 inches).

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength 0°</td>
<td>RTD</td>
<td>ASTM D3039</td>
<td>109 ksi</td>
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<tr>
<td>Tensile Modulus 0°</td>
<td>RTD</td>
<td>ASTM D3039</td>
<td>4.0 Msi</td>
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<tr>
<td>Flexural Strength 0°</td>
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<td>ASTM D790</td>
<td>93 ksi</td>
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<tr>
<td>Flexural Modulus 0°</td>
<td>RTD</td>
<td>ASTM D790</td>
<td>4.1 Msi</td>
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<td>Compressive Strength 0°</td>
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<td>ASTM D3410</td>
<td>20 ksi</td>
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<td>Short Beam Shear ILSS</td>
<td>RTD</td>
<td>ASTM D2344</td>
<td>2.9 ksi</td>
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</tbody>
</table>

Recommended Process Temperature is 390-420°F (199-216°C)