DESCRIPTION
Toray PMC CFRT® (SuperSkin SS-2000) is a reinforced thermoplastic composite laminate. It blends the benefits of a thermoplastic polymer matrix with woven 3K carbon fibers for enhanced shapes and performance. The SuperSkin SS-2000 style laminate is available in a single-layer product that is ultra-thin and lightweight.

FEATURES
› Plain or twill weave of 3K carbon fibers
› Lightest weight, thin, single layer
› Available in natural (carbon) black

PRODUCT TYPE AND COMPOSITION
Carbon (3K) fiber content: 12%
Thermoplastic polyurethane resin: 88%
(Noted: Percentages are by volume and are nominal values)

TYPICAL APPLICATIONS
› Footwear
› Skates

SHELF LIFE
Stable indefinitely at 25°C (77°F)
Materials must be dried prior to heating and thermoforming. Please refer to the TPMC Processing Instructions.

MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Properties</th>
<th>Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>ASTM D790-10</td>
<td>512 ksi, 3438 MPa</td>
</tr>
<tr>
<td>Tensile Modulus</td>
<td>ASTM D790-10</td>
<td>32 Msi, 220 GPa</td>
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</tbody>
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