Overview
SUNLITE’s polycarbonate reinforced structure yields a strong yet lightweight sheet with high impact strength and considerable thermal insulation. These benefits, combined with its high light transmission, make SUNLITE ideal for varied architectural roofing and glazing, as well as high-end agricultural greenhouse covering.

Installation
When specifying SUNLITE, thermal expansion must be accommodated on both end and side interfaces, nominally 3mm per meter. For more information please refer to the SUNLITE technical guide.

Tolerances

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width dimension</td>
<td>mm</td>
<td>0 to +4 mm</td>
</tr>
<tr>
<td>Length dimension</td>
<td>&lt; 3 m</td>
<td>0 to +5 mm</td>
</tr>
<tr>
<td></td>
<td>3-5 m</td>
<td>0 to +7 mm</td>
</tr>
<tr>
<td></td>
<td>&gt; 5 m</td>
<td>0 to +10 mm</td>
</tr>
<tr>
<td>Weight</td>
<td></td>
<td>±5% of nominal weight</td>
</tr>
<tr>
<td>Light transmission</td>
<td></td>
<td>±4% of specified LT</td>
</tr>
</tbody>
</table>

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall thickness</td>
<td>mm</td>
<td>10  16  20  25</td>
</tr>
<tr>
<td>Area weight*</td>
<td>kg/m²</td>
<td>1.9  2.55  2.9  3.4</td>
</tr>
<tr>
<td>U-value (Ug)</td>
<td>Watt/m²·K</td>
<td>2.3  1.75  1.55  1.39</td>
</tr>
<tr>
<td>U-value (Ug) - US Units</td>
<td>BTU / (hr·ft²·°F)</td>
<td>0.40  0.30  0.27  0.24</td>
</tr>
<tr>
<td>Sheet standard widths (Closed/Closed)*</td>
<td>mm</td>
<td>700, 980, 1050, 1200, 1250, 2100**</td>
</tr>
<tr>
<td>Standard lengths*</td>
<td>mm</td>
<td>6000, 7000</td>
</tr>
<tr>
<td>Rib Distance</td>
<td>mm</td>
<td>14</td>
</tr>
<tr>
<td>Light transmission</td>
<td>%</td>
<td>20</td>
</tr>
<tr>
<td>Min. cold bending radius</td>
<td>m</td>
<td>1.5  2.4  3.5  4.4</td>
</tr>
<tr>
<td>Service temperature</td>
<td>°C</td>
<td>-50 to 120</td>
</tr>
<tr>
<td></td>
<td>°C</td>
<td>-50 to 100</td>
</tr>
<tr>
<td>Practical thermal expansion/contraction range</td>
<td>mm/m</td>
<td>3</td>
</tr>
<tr>
<td>Flammability ratings (EN 13501-1 2013)</td>
<td>B-s1, d0</td>
<td></td>
</tr>
</tbody>
</table>

*Non-standard options are available upon request.
**Width of 7 Wall 10mm is 2096mm instead of 2100mm.