ThermaGlas™
Multi-Wall Structured Polycarbonate Sheets

Overview

ThermaGlas is available in a variety of tints and special pigments, providing solutions for applications as diverse as production, propagation, holding areas, and retail garden centers.

ThermaGlas products feature built-in condensation control so durable and effective it’s warranted for 10 years. The result is higher light transmission and reduced moisture-related disease.

ThermaGlas 8mm triple-wall polycarbonate offers excellent light transmission, while providing up to 60% more energy efficiency than glass, and 25% more efficiency than 8mm twin-wall acrylic.

Main Benefits

- Superb thermal insulation—saves energy
- Impact resistance—virtually unbreakable
- Built in condensation control
- Light weight
- Weather and UV resistant
- Low flammability (available with CC1 rating)
- Easy to work with and install using ordinary tools
- Rigid, yet capable of cold-forming to an arch
- Wide service temperature range
- 10 year limited warranty
- Available in 47¼”, 48”, 71¼” & 72” widths

Typical Applications

- Commercial greenhouses
- Retail garden centers
- Packing & holding areas
- Skylights and sidelights
- Signs and displays
- Covered walkways
- Industrial roofing & glazing
- Swimming pools

SUNLITE® multi-wall polycarbonate—a sister product of ThermaGlas—is also available for similar applications. SUNLITE does not feature guaranteed built-in condensate control.

www.PalramAmericas.com
Table of Typical Properties

See the ThermaGlas Technical and Installation Guide for additional specifications and details.

<table>
<thead>
<tr>
<th>H.D.T. (264 p.s.i.)</th>
<th>222 °F</th>
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<tbody>
<tr>
<td>Thermal Expansion Delta T @ 104 °F</td>
<td>0.03 in./ft. clear &amp; opal 0.054 in./ft. bronze</td>
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<tr>
<td>Service Temperature Range</td>
<td>-40 °F to +250 °F</td>
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<tr>
<td>Light Transmission</td>
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<table>
<thead>
<tr>
<th>Product / Profile</th>
<th>Thickness</th>
<th>Color or Tint</th>
<th>Clear</th>
<th>Bronze</th>
<th>White</th>
<th>Opal</th>
<th>SLT</th>
<th>SolarSoft</th>
<th>Solar Ice*</th>
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<tbody>
<tr>
<td>Twin-Wall</td>
<td>4mm</td>
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<td>82%</td>
<td>35%</td>
<td>30%</td>
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<tr>
<td></td>
<td>6mm</td>
<td></td>
<td>80%</td>
<td>35%</td>
<td>20%</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8mm</td>
<td></td>
<td>80%</td>
<td>35%</td>
<td>45%</td>
<td>60%</td>
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<td></td>
<td>10mm</td>
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<td>79%</td>
<td>35%</td>
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</tr>
<tr>
<td>Triple-Wall</td>
<td>8mm</td>
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<td>76%</td>
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<td>48%</td>
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<td>16mm</td>
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* Available subject to minimum order requirements.

ThermaGlas “Snap-Cap”™ Glazing System

The “Snap-Cap” Glazing System includes a unique polycarbonate “Snap-Cap.” This attractive and functional member snaps down into the extra strong aluminum support rafter.

This heavy-duty, UV- and weather resistant “Snap-Cap” is designed to receive a “Snap-Cap” member without having to drill holes or use threaded fasteners and helps reduce thermal conduction. The result is easier installation, more strength, and greater energy efficiency, compared to all plastic or all aluminum systems.

Warranty

ThermaGlas features a 10 year warranty against loss of light transmission due to yellowing, damage due to hail impact, and for condensation control performance (see warranty for details).