Overview

The PALSUN family of flat solid polycarbonate product includes: Basic, UV-Protected, and Specialty Sheets. Palsun offers glass-like clarity at less than half the weight of glass, combined with unmatched impact resistance.

PALSUN can be cold bent, fabricated or formed, making it ideal for applications such as sign faces, barrel vault roofing, roof (sky) lights, architectural roofing and glazing. Clear, translucent or opaque, PALSUN sheets are also ideal as machine guards, sound barriers, and safety glazing.

Main Benefits

- High impact resistance—virtually unbreakable
- High clarity and light transmission
- Wide service temperature range
- Good acoustical insulation
- Lightweight
- Easy to handle and install
- Versatile, formable, and machinable
- UV and Specialty Sheet Series products offer exceptional weather and UV resistance

Typical Applications

- **BASIC SERIES** (NO UV)
  - Interior safety glazing & machine guards
  - Fabricated parts
  - POP Displays
- **UV SERIES** (W/UV PROTECTION)
  - Exterior flat & thermoformed sign faces
  - Skylights and architectural glazing
  - Outdoor enclosures such as bus stops
- **SPECIALTY SHEET SERIES** (GENERALLY W/UV)
  - Windshields for golf carts and low speed vehicles
  - Glazing in boats, trains, busses, military vehicles, and planes

For additional protection in these applications, consider PALGARD®, a PALSUN polycarbonate substrate with an abrasion resistant coating.

www.PalramAmericas.com
Inasmuch as PALRAM Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material’s suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any PALRAM Industries patent. PALRAM Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local PALRAM Industries supplier to ensure that you have obtained the most up to date information.

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PALSUN® Product Range
All products shown are flat solid polycarbonate sheet.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PALSUN® Basic™</td>
<td>UV stabilized general purpose polycarbonate sheet</td>
</tr>
<tr>
<td>PALSUN® UVI</td>
<td>Co-extruded UV protection on one side for exterior applications</td>
</tr>
<tr>
<td>PALSUN® UV2</td>
<td>Co-extruded UV protection on both sides for exterior applications</td>
</tr>
<tr>
<td>PALSUN® Embossed*</td>
<td>Embossed surface (E102, prismatic, hair cell)</td>
</tr>
<tr>
<td>PALSUN® FR*</td>
<td>Fire retardant, with higher fire resistant rating</td>
</tr>
<tr>
<td>PALSUN® Matte*</td>
<td>Matte finish on one side</td>
</tr>
<tr>
<td>PALSUN® SG White</td>
<td>High diffusion for sign grade applications</td>
</tr>
<tr>
<td>PALSUN® CS</td>
<td>Coil stock on rolls (Clear and SG White standard)</td>
</tr>
<tr>
<td>PALSUN® Foam</td>
<td>Flat foamed polycarbonate sheet, UV protected on one side</td>
</tr>
<tr>
<td>PALSUN® Solar Control*</td>
<td>Efficient heat-blocking with metallic appearance</td>
</tr>
<tr>
<td>PALSUN® Smart*</td>
<td>See-through sheet with advanced heat-blocking</td>
</tr>
<tr>
<td>PALSUN® Basic FR</td>
<td>Fire retardant, with elevated Relative Thermal Index (RTI) values.</td>
</tr>
<tr>
<td>PALSUN® OG</td>
<td>Optical grade sheet</td>
</tr>
<tr>
<td>PALGARD®</td>
<td>Abrasion resistant on one or both sides</td>
</tr>
<tr>
<td>PALGARD® TG</td>
<td>Transportation grade (meets specific transportation codes)</td>
</tr>
<tr>
<td>PALSHEILD™</td>
<td>Containment and bullet resistant glazing</td>
</tr>
</tbody>
</table>

* With co-extruded UV protection on one or both sides.
** Available in 2mm and 2.36mm for applications without direct UV exposure.

Colors

- Transparent
  - Clear
  - Solar Grey
  - Bronze
  - Red
  - Blue
  - Green
  - Smart Green

- Translucent
  - Yellow
  - Red
  - Mint Green
  - White Opal
  - White Diffuser
  - PALSUN® 5G
  - Solar Ice
  - Solar Olympe
  - Solar Control

- Opaque
  - Dark Green
  - Red Brick
  - Black
  - Dark Blue
  - Cream (A4 900)
  - Light Grey (B4 2090)
  - Dark Grey
  - Brown
  - Off White

* Significant minimum order requirements may apply for some colors listed. Custom colors available upon request; please contact your Palram representative or agent for additional details and minimums.

Protective Masking
Depending on product selected, clear, white or printed plastic masking protects Palsun sheet during storage and transportation. Masking must be removed from both sides immediately after installation.

Physical Properties
For detailed information on PALSUN® physical properties please visit: www.PalramAmericas.com/Palsun.

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Authorized Distributor

Legal Disclaimer

UL File e221255 V-2
UL CAN / ULC -S102.2-07 Class A*
UL AU 1530.3-1982 Ignitability Index = 9

Flammability Related Compliance Certifications

<table>
<thead>
<tr>
<th>UL</th>
<th>CAN / ULC-S102.2-07</th>
<th>Class A*</th>
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<tr>
<td>UL</td>
<td>File e221255</td>
<td>V-2</td>
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<tr>
<td>UL</td>
<td>D-635</td>
<td>CCI (AEB &lt;1”)</td>
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<tr>
<td>ASTM</td>
<td>E-84</td>
<td>Class B**</td>
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<tr>
<td>FAA</td>
<td>DAR 25.853(a)</td>
<td>Pass***</td>
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<tr>
<td>ASTM</td>
<td>D-2863-87</td>
<td>LOI = 30</td>
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<tr>
<td>UL</td>
<td>UL 94</td>
<td>V-0</td>
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</table>

* 17” thru 50”
** .040 [1mm] thickness available with Class A rating.
*** Depends on thickness.

Dimensions

<table>
<thead>
<tr>
<th>Typical</th>
<th>Thickness (in.)</th>
<th>Custom*</th>
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<tbody>
<tr>
<td>Width (in.) x Length (in.)</td>
<td>Thickness (in.)</td>
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</tr>
<tr>
<td>48” x 96” - all thicknesses</td>
<td>.03” to .50”</td>
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</tr>
<tr>
<td>60” x 96” - all thicknesses</td>
<td>Run to size .03” to .67”</td>
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<tr>
<td>72” x 96” - all thicknesses</td>
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<td></td>
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<tr>
<td>80” x 120” - all thicknesses</td>
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* Call to discuss minimum order requirements.