PALBOARD™ Multilayered PVC Sheet

PALBOARD is an innovative multilayered sheet that offers the qualities of rigid and foamed PVC together. Based on Palram’s 50 year experience in extruding quality PVC sheets, it combines the surface quality and characteristics of rigid PVC with a reduced weight due to a recycled foamed PVC core.

PALBOARD is easy to fabricate, making it ideal for a wide variety of sign and display applications. It makes an excellent printing substrate and, suitable for digital or traditional printing. PALBOARD can be used in harsh chemical environments due to its high chemical resistance.
Easy to Use

- Rigid yet lightweight, making it easy to fabricate; it is suitable for die cutting, sawing, drilling, milling and routing
- Smooth and uniform surface
- Bright white surface

Main Benefits

- Hard smooth surface
- Recycled lightweight foamed PVC core
- High structural strength with a relatively low weight
- Excellent chemical and fire resistance
- Easy to fabricate and thermoform
- Good adhesion capabilities
- Good electrical and thermal insulation

Typical Applications

- Industrial and construction signs
- Point of purchase stands
- Fabricated and structural parts

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Conditions</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>ASTM D-792</td>
<td>g/cm³</td>
<td>0.58 - 0.62</td>
<td></td>
</tr>
<tr>
<td>Water absorption</td>
<td>ASTM D-570</td>
<td>24 hr @ 23°C</td>
<td>%</td>
<td>3mm - 0.5 5mm - 0.8</td>
</tr>
<tr>
<td>Mechanical – Machine direction</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexural modulus</td>
<td>ASTM D-790</td>
<td>MPa</td>
<td>1600</td>
<td></td>
</tr>
<tr>
<td>Shore hardness</td>
<td>ASTM D-2240</td>
<td>Shore D</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

Thermal

- Service temperature range
  - °C
  - -10 to 55
- Heat deflection temperature
  - ASTM D-648
  - Load: 1.82 MPa
  - °C
  - 62
- Coefficient of linear thermal expansion
  - ASTM D-696
  - 10⁻⁵/°C
  - 6.7

Electrical

- Surface resistance
  - ASTM D-257
  - Ohm
  - 4.1x10¹⁴

Colors

- White - Black - White
- New! White - White - White  For outdoor use

Standard sizes

- Thickness: 3, 5,10 mm
- Length: 2,440 mm / 3,050 mm
- Width: 1,220 mm / 1,500 mm / 2,030 mm

In as much 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 covering such use or as recommendations for use of such materials in the infringement of any patents. 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.

©2015 Palram Industries Ltd. | PALBOARD is a trademark of Palram Industries Ltd.