PALFOAM™
Low Weight Flat Foamed PVC Sheet

Overview

PALFOAM offers easy-to-handle foamed PVC in a cost-efficient version. Its bright, consistent and smooth surface provides a good background for printing and laminating in high quality stands and displays.

PALFOAM is flexible, versatile and extremely convenient to work with. It can be cut and fabricated using conventional tools and equipment.

Main Benefits

- Value-oriented for cost sensitive projects
- Slightly lighter weight than standard PALIGHT Foam PVC sheet
- Good ink adhesion and print quality
- Bright, smooth and uniform surface
- High insulation
- Easily worked with conventional tools, prints and paints
- Can be easily bonded, vacuum formed, nailed and bolted
- High chemical resistance
- Low water absorption
- Non-toxic

Typical Applications

- Portable displays
- Point-Of-Purchase displays
- Signs
- Displays
- Interior decoration
- Exhibition boards
- Display cladding

www.palram.com
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**Standard Dimensions**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>2, 3, 4, 5, 6, 8, 10mm</td>
</tr>
<tr>
<td>Dimensions*</td>
<td>2030x3050</td>
</tr>
<tr>
<td></td>
<td>1560x3050</td>
</tr>
<tr>
<td></td>
<td>1220x3050</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
</tbody>
</table>

* Other dimensions are available upon request.

**Typical Physical Properties***

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>Conditions</th>
<th>Units</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>D-792</td>
<td>g/cm³</td>
<td>0.50-0.57</td>
<td></td>
</tr>
<tr>
<td>Water absorption</td>
<td>D-570</td>
<td>24hr @ 23°C</td>
<td>%</td>
<td>0.28</td>
</tr>
<tr>
<td>Flexural modulus</td>
<td>D-790</td>
<td>1mm/min.</td>
<td>MPa</td>
<td>700-1100</td>
</tr>
<tr>
<td>Hardness</td>
<td>Shore D</td>
<td></td>
<td></td>
<td>78-84</td>
</tr>
<tr>
<td>Izod impact strength</td>
<td>D-265</td>
<td>J/m</td>
<td>30-66</td>
<td></td>
</tr>
<tr>
<td>Service temperature range</td>
<td></td>
<td>°C</td>
<td>-10 to 55</td>
<td></td>
</tr>
<tr>
<td>Vicat softening temp</td>
<td>D-1525</td>
<td>Load: 1kg</td>
<td>°C</td>
<td>75-77</td>
</tr>
<tr>
<td>Coefficient of linear thermal expansion</td>
<td>D-696</td>
<td>cm/cm °C</td>
<td>6.7x10⁻⁵</td>
<td></td>
</tr>
<tr>
<td>Thermal conductivity</td>
<td>C-177</td>
<td>W/mK</td>
<td>0.07</td>
<td></td>
</tr>
<tr>
<td>White index</td>
<td>D-792</td>
<td>WI</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>Surface resistance</td>
<td>D-257</td>
<td>Ohm</td>
<td>5X10⁶</td>
<td></td>
</tr>
<tr>
<td>Volume resistance</td>
<td>D-257</td>
<td>Ohm-cm</td>
<td>2X10⁶</td>
<td></td>
</tr>
</tbody>
</table>

*Information applies to 3-10mm sheets.

**Product Range**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PALIGHT®</td>
<td>Flat foamed PVC sheet with matte finish, available in a wide range of standard and special thicknesses and designer colors.</td>
</tr>
<tr>
<td>PALFOAM™</td>
<td>Cost-effective, white only, light weight flat foamed PVC sheet.</td>
</tr>
<tr>
<td>PALIGHT® Print</td>
<td>Flat foamed PVC sheet made specifically to cost effectively meet the stringent requirements of large format print imaging industry.</td>
</tr>
<tr>
<td>PALFOAM™ LW</td>
<td>Low weight, white only, flat foamed PVC sheet for general purposes.</td>
</tr>
</tbody>
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