Technical Data Sheet

KYDEX® XDWG 3D Laminate
Capped wood grain sheet for flat lamination and membrane press applications

Introduction

KYDEX® XDWG is a decorative wood grain thermoplastic 3D laminate giving designers the ability to incorporate compound corners, logos, and wire management holes while eliminating unsightly seams and the need for edgebanding typically associated with HPL/TFM surfaces. Its integral colour and high impact resistance minimizes costly maintenance associated with other laminates.

General Information

High impact, membrane pressable thermoplastic 3D laminate with wood grain design in 0.91mm (0.036") thickness. While providing great definition it surpasses vinyl overlays, high pressure laminates and melamine in resistance to surface and edge impact.

Suggested Applications

• Store fixtures
• Checkout counters
• Exhibits and displays
• Moldings
• Transaction surfaces
• Workstations
• Flat laminated panels

• Kiosks
• Cabinetry
• Door and drawer fascias
• Pedestals and stands
• Tabletops
• Logo and trademark panels

Features

• Tough and durable - resistant to cracking and chipping
• Available in a variety of wood grain designs
• Matched to popular high pressure laminates and melamines
• Resistant to a wide range of chemicals
• Abrasion resistant
• Fire retardant
• Excellent fabrication qualities
• Very low moisture absorption
• Membrane pressable
• Flexibility allows small radius bends

Print Width

KYDEX® XDWG 3D Laminate is offered with a range of decorative options via lamination of printed films. SEKISUI SPI purchases these printed films from various suppliers whose production capabilities differ. Among these production variations is the print width.

While many film designs print at least 1346.2mm (53") of coverage, SEKISUI SPI purchases some designs with less print width (due to the manufacturer’s printing capabilities). Please contact your SEKISUI SPI sales or customer service representative for the print width availability of a specific design.
Environmental and Safety Considerations

SEKISUI SPI is committed to ensuring that its products can be manufactured, transported, stored, used, disposed and recycled with an appropriate regard for safety, health and environmental protection. We support the safe handling of our products. Please contact our Technical Service department at 800.682.8758 for resources or visit our website: http://www.sekisui-spi.com. For Material Safety Data Sheets, please call 800.325.3133.

Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Resistance</td>
<td>NEMA LD3.3</td>
<td>No Effect</td>
</tr>
<tr>
<td>Cleanability</td>
<td>NEMA LD3.4</td>
<td>14</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>NEMA LD3.4</td>
<td>No Effect (1-2, 4-15) Severe Effect (3)</td>
</tr>
<tr>
<td>Boiling Water Resistance</td>
<td>NEMA LD3.5</td>
<td>No Effect</td>
</tr>
<tr>
<td>High Temperature Resistance (Oil)</td>
<td>NEMA LD3.6</td>
<td>Moderate Effect</td>
</tr>
<tr>
<td>Linear Glass Scratch Resistance</td>
<td>NEMA LD3.7</td>
<td>&lt;50g</td>
</tr>
<tr>
<td>Diamond Scratch Resistance</td>
<td>NEMA LD3.7</td>
<td>2</td>
</tr>
<tr>
<td>Ball Impact Resistance</td>
<td>NEMA LD3.8</td>
<td>&gt;3000mm</td>
</tr>
<tr>
<td>Dart Impact Resistance</td>
<td>NEMA LD3.9</td>
<td>&gt;875mm</td>
</tr>
<tr>
<td>Radiant Heat Resistance (Coil)</td>
<td>NEMA LD3.10</td>
<td>43 sec</td>
</tr>
<tr>
<td>Radiant Heat Resistance (Strip)</td>
<td>NEMA LD3.10</td>
<td>51 sec</td>
</tr>
<tr>
<td>Dimensional Change</td>
<td>NEMA LD3.11</td>
<td>MD: 1.05% TD: 0.67%</td>
</tr>
<tr>
<td>Room Temperature Dimensional Stability</td>
<td>NEMA LD3.12</td>
<td>MD: 0.08% TD: 0.07%</td>
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<tr>
<td>Wear Resistance</td>
<td>NEMA LD3.13</td>
<td>650 cycles</td>
</tr>
<tr>
<td>Flammability</td>
<td>ASTM E84</td>
<td>Class 1/A</td>
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</tbody>
</table>

1 Values based upon 0.91mm (0.036") sheet unless otherwise specified. Not intended for specification purposes.

*NOTE: Material appearance will change in proportion to the amount of heat applied during processing.

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