KYDEX® 152WG
Capped wood grain sheet for flat and membrane pressed applications

Introduction
Super tough, durable KYDEX® 152WG sheet brings new dimensions to membrane pressers in: extensibility, rigidity, abrasion resistance and fire retardancy.

General Information
This high performance thermoplastic sheet is available in several aesthetically pleasing woodgrain patterns; each substrate color is custom matched to compliment the woodgrain cap. It rates Class I/A when tested according to the ASTM E-84, the Steiner Tunnel Test, and V-0 when independently tested to Underwriters Laboratories, Inc® Std 94 testing.

Suggested Applications
- Exhibits & Displays
- Store Fixture Components
- Kiosk Housings
- Contract Furniture Components
- Miscellaneous Applications

Features
- More rigid than most thermoplastics so parts will deform less when loaded
- Outstanding resistance to breakage
- Superior scratch and abrasion resistance as evidenced by Hoffman Scratch and Taber Abrasion tests
- Substrate of complimentary color camouflages gouges
- Rated Class I/A according to ASTM E-84 Tunnel Test in independent laboratory testing (thicknesses less than 1.00mm (0.040”))
- Rated V-0 in all thicknesses and colors when independently tested to Underwriter’s Laboratories, Inc® Standard 94
- Available in 13 popular wood grain patterns

Environmental and Safety Considerations
KYDEX, LLC 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.kydex.com. For Material Safety Data Sheets, please call 800.325.3133.

Print Width
KYDEX® WG 3D Laminate is offered with a range of decorative options via lamination of printed films. KYDEX, LLC 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, KYDEX purchases some designs with less print width (due to the manufacturer’s printing capabilities). Please contact your KYDEX sales or customer service representative for the print width availability of a specific design.

KYDEX, LLC
ISO 9001 and 14001 Certified

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## KYDEX® 152WG
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<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>ASTM D-792</td>
<td>1.37</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-638</td>
<td>42 MPa (6,100 psi)</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM D-790</td>
<td>66 MPa (9,600 psi)</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>ASTM D-790</td>
<td>2,480 MPa (360,000 psi)</td>
</tr>
<tr>
<td>Notched Izod Impact Resistance, @ 23°C (73°F)</td>
<td>ASTM D-256</td>
<td>795 J/m (15 ft-lbs/in)</td>
</tr>
<tr>
<td>Scratch Resistance</td>
<td>Hoffman Scratch</td>
<td>2,000+ g</td>
</tr>
<tr>
<td>Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed</td>
<td>ASTM D-648</td>
<td>75.6°C (168°F)</td>
</tr>
<tr>
<td>Flammability: ¹ Flame Spread/Smoke Developed 1.0 mm (0.040”) or less</td>
<td>ASTM E-84</td>
<td>Class I/A</td>
</tr>
<tr>
<td>Flammability: Independent Laboratory Testing</td>
<td>UL Std 94</td>
<td>V-0</td>
</tr>
</tbody>
</table>

¹ Values based upon 3.18mm (0.125”) sheet unless otherwise specified.
² Independent Laboratory Testing

Not intended for specification purposes.

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