KYDEX® V103
High impact fire-rated sheet

Introduction

KYDEX® V103 sheet is a recycled grade of a proprietary thermoplastic sheet that is cost competitive with other grades of thermoplastic sheet while offering improved performance.

General Information

KYDEX® V103 is Underwriters Laboratories, Inc® recognized Std 94 V-0, 5V. It has thermoforming cycle times equivalent to FR-ABS.

Suggested Applications

- Equipment Housings
- Exhibits and Displays
- Miscellaneous Applications

Features

- Formulated to substitute for FR-ABS
- Very good impact resistance
- Easy to form with excellent part definition and deep-draw characteristics
- Recognized by Underwriters Laboratories, Inc® for Std 94 V-0, 5V
- Similar forming times to FR-ABS
- Available in 7 distinctive textures

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.
## KYDEX® V103
High impact fire-rated sheet

### Physical Properties

<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>1.35</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-638</td>
<td>41 MPa 6,000 psi</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM D-790</td>
<td>65.5 MPa 9,300 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>427 J/m 8 ft-lbs/in</td>
</tr>
<tr>
<td>Rockwell Hardness (R Scale)</td>
<td>ASTM D-785</td>
<td>94</td>
</tr>
<tr>
<td>Heat Deflection Temperature (HDT)</td>
<td>ASTM D-648</td>
<td>73.9°C 165°F</td>
</tr>
<tr>
<td>Flammability: Underwriters Laboratories, Inc®</td>
<td>UL Standard 94</td>
<td>V-0, 5V</td>
</tr>
<tr>
<td>Mold Shrinkage % (male mold)</td>
<td></td>
<td>0.40 - 0.60</td>
</tr>
</tbody>
</table>

1. Values based upon 3.18mm (0.125") sheet unless otherwise specified.
2. Underwriters Laboratories, Inc®, File E115252
3. All thicknesses 0.71mm (0.028") and above
Not intended for specification purposes.

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This information supersedes all previously published data.