**KYDEX® 2200LT**
SMP800C compliant sheet for mass transit applications

### Introduction
KYDEX® 2200LT is a high performance thermoplastic sheet designed for use in mass transit interior applications where SMP800C or BSS7239 compliance is required.

### General Information
KYDEX® 2200LT is a cost effective alternative to FRP that offers the additional benefit of weight savings. It meets the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) requirements for smoke emission and flammability as tested under ASTM E-662 and ASTM E-162. Additionally, KYDEX® 2200LT meets the toxicity criteria defined by SMP800C and BSS7239.

### Suggested Applications
- Seatbacks
- Armrests
- Window Shrouds
- Bulkhead Components
- Wall and Ceiling Panels

### Features
- Meets flamespread and smoke development requirements listed in 49 CFR 238
- Compliant to SMP800C and BSS7239 toxicity specifications
- Excellent formability and fabrication characteristics
- Allows for tight tolerance control
- Excellent resistance to graffiti, chemicals, and staining

### 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.

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### 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>1.30</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-638</td>
<td>52.7 MPa</td>
</tr>
<tr>
<td>Tensile Modulus</td>
<td>ASTM D-638</td>
<td>3,895 MPa</td>
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<tr>
<td>Flexural Strength</td>
<td>ASTM D-790</td>
<td>77.9 MPa</td>
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<tr>
<td>Flexural Modulus</td>
<td>ASTM D-790</td>
<td>3,110 MPa</td>
</tr>
<tr>
<td>Notched Izod Impact</td>
<td>ASTM D-256</td>
<td>140 J/m</td>
</tr>
<tr>
<td>Gardner Drop Dart Impact</td>
<td>ASTM D-5420</td>
<td>40.9 J</td>
</tr>
<tr>
<td>Gardner Drop Dart Impact, -200°F (-290C)</td>
<td>ASTM D-5420</td>
<td>14.2 J</td>
</tr>
<tr>
<td>Heat Deflection Temperature (HDT) @264psi (1.8 MPa) unannealed/annealed</td>
<td>ASTM D-648</td>
<td>89.0°C</td>
</tr>
<tr>
<td>Coefficient of Thermal Expansion</td>
<td>ASTM E-831</td>
<td>53.8 μm/m/°C</td>
</tr>
<tr>
<td>Rockwell Hardness, R-Scale</td>
<td>ASTM D-785</td>
<td>108</td>
</tr>
<tr>
<td>Flammability: Flame Spread Index</td>
<td>ASTM E-162</td>
<td>I&lt;sub&gt;S&lt;/sub&gt; &lt;35 No Burning Drip</td>
</tr>
<tr>
<td>Flammability: Smoke Density</td>
<td>ASTM E-662</td>
<td>D&lt;sub&gt;3&lt;/sub&gt;(1.5) &lt;100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>D&lt;sub&gt;3&lt;/sub&gt;(4.0) &lt;200</td>
</tr>
<tr>
<td>Bombardier Toxic Gas Generation</td>
<td>SMP 800-C</td>
<td>Pass</td>
</tr>
<tr>
<td>Boeing Toxic Gas Generation</td>
<td>BSS 7239</td>
<td>Pass</td>
</tr>
</tbody>
</table>

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*Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of our products in any given situation. Users should conduct their own tests to determine the suitability of each product for their particular purposes. Data in the physical property table represents typical values and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions. Right to change physical properties as a result of technical progress is reserved. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE. Buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the refinement of any patent. Consult local code and regulatory agencies for specific requirements regarding code compliance, transporting, processing, recycling and disposal of our product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.*

This information supersedes all previously published data.

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