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.
**KYDEX® 2200LT**

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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>1.30</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-638</td>
<td>52.7 MPa 7,650 psi</td>
</tr>
<tr>
<td>Tensile Modulus</td>
<td>ASTM D-638</td>
<td>3,895 MPa 565,000 psi</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM D-790</td>
<td>77.9 MPa 11,300 psi</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>ASTM D-790</td>
<td>3,110 MPa 451,000 psi</td>
</tr>
<tr>
<td>Notched Izod Impact</td>
<td>ASTM D-256</td>
<td>140 J/m 2.61 ft-lb/in</td>
</tr>
<tr>
<td>Gardner Drop Dart Impact</td>
<td>ASTM D-5420</td>
<td>40.9 J 362 in-lb</td>
</tr>
<tr>
<td>Gardner Drop Dart Impact, -20°F (-29°C)</td>
<td>ASTM D-5420</td>
<td>14.2 J 126 in-lb</td>
</tr>
<tr>
<td>Heat Deflection Temperature (HDT) @264psi (1.8 MPa) unannealed/annealed</td>
<td>ASTM D-648</td>
<td>89.0°C 192.2°F</td>
</tr>
<tr>
<td>Coefficient of Thermal Expansion</td>
<td>ASTM E-831</td>
<td>53.8 μm/m/°C 29.9 μm/in/°F</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>
</tbody>
</table>
| Flammability: Smoke Density   | ASTM E-662  | D<sub>2</sub>(1.5) <100  
D<sub>2</sub>(4.0) <200 |
| Bombardier Toxic Gas Generation | SMP 800-C    | Pass          |
| Boeing Toxic Gas Generation   | BSS 7239    | Pass          |

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This information supersedes all previously published data.