

## KYDEX® 6200 LTR

SMP800C compliant sheet for mass transit applications

### Introduction

KYDEX® 6200 LTR is formulated for mass transit interior applications where SMP800C compliance is required.

### General Information

KYDEX® 6200 LTR is the next generation in our line of high performance thermoplastic sheet products for rail and bus interiors. It is a cost effective alternative to FRP due to its greater ease of fabrication. This product meets the recommended fire safety practices of both the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) for smoke emission and flammability when tested as per ASTM E-662 and ASTM E-162.

### Suggested Applications

- Seatbacks
- Bulkhead Components
- Window Reveal
- Ceiling Components

### Features

- Specifically designed for mass transit industries
- Compliant with SMP800C
- Meets flamespread and smoke density requirements for mass transit
- Excellent formability and fabrication quality
- Good definition
- Allows for tight tolerances
- Easy trimming

### 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.

#### KYDEX, LLC

ISO 9001 and 14001 Certified

#### Customer Service

6685 Low St, Bloomsburg, PA 17815 USA  
Phone: 800.325.3133, +1.570.389.5810  
Outside the US: +1.570.389.5814  
Fax: 800.452.0155, +1.570.387.7786  
Email: [info@kydex.com](mailto:info@kydex.com)

#### Technical Service

Phone: 800.682.8758  
Fax: +1.570.387.8722  
Outside the US: +1.570.387.6997  
Email: [techservice@kydex.com](mailto:techservice@kydex.com)

[www.kydex.com](http://www.kydex.com)



## KYDEX® 6200 LTR SMP800C compliant sheet for mass transit applications

### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
Specific Gravity	ASTM D-792	1.58	
Tensile Strength	ASTM D-638	23.4 MPa	3390 psi
Tensile Modulus	ASTM D-638	2261 MPa	328,000 psi
Flexural Strength	ASTM D-790	42.6 MPa	6180 psi
Flexural Modulus	ASTM D-790	2710 MPa	393,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	78	
Heat Deflection Temperature (HDT): @264psi (1.8 MPa) annealed @66psi (0.46 MPa) annealed	ASTM D-648	71.1°C 82.2°C	160°F 180°F
Flammability, Radiant Panel Is	ASTM E-162	Pass <sup>2</sup>	
Smoke Generation, Ds @ 4.0 minutes	ASTM E-662	Pass <sup>2</sup>	
Toxicity Requirements	SMP 800C	Pass <sup>2</sup>	
<p>This product meets the recommended fire safety practices of both the Federal Transit Administration (FTA) and the Federal Rail Administration (FRA) for smoke emission and flammability when tested as per ASTM E-662 and ASTM E-162.</p> <p><sup>1</sup> Values based upon 3.175mm (0.125") sheet unless otherwise specified.  <sup>2</sup> Tested by an accredited third party lab.                      Not intended for specification purposes.</p>			

**KYDEX, LLC**  
ISO 9001 and 14001 Certified

**Customer Service**  
6685 Low St, Bloomsburg, PA 17815 USA  
Phone: 800.325.3133, +1.570.389.5810  
Outside the US: +1.570.389.5814  
Fax: 800.452.0155, +1.570.387.7786  
Email: info@kydex.com

**Technical Service**  
Phone: 800.682.8758  
Fax: +1.570.387.8722  
Outside the US: +1.570.387.6997  
Email: techservice@kydex.com

[www.kydex.com](http://www.kydex.com)

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 infringement 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.