

KYDEX® 6200LTR

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 Reveals
- 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 & SAFETY CONSIDERATIONS

SEKISUI 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 appLab™ department at 800.682.8758 for resources and Safety Data Sheets or visit our website: www.kydex.com.



Customer Collaboration

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PROPERTY	TEST METHOD	TYPICAL VALUE ¹	
PHYSICAL			
Specific Gravity	ASTM D792	1.58	
Density	ASTM D792	1.58 g/cm ³	0.057 lb/in ³
Rockwell Hardness, R-scale	ASTM D785	78	
MECHANICAL			
Tensile Strength	ASTM D-638	41.4 MPa	6,000 psi
Tensile Modulus	ASTM D-638	2,592 MPa	376,000 psii
Flexural Strength	ASTM D-790	63.4 MPa	9,200 psi
Flexural Modulus	ASTM D-790	2,413 MPa	350,000 psi
THERMAL			
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) Annealed	ASTM D648	71.1°C	160°F
Heat Deflection Temperature (HDT) @ 66 psi (0.46 MPa) Annealed	ASTM D648	82.2°C	180°F
FLAMMABILITY²			
Flammability: Flame Spread Index	ASTM E-162	I _s <35 No Burning Drip	
Flammability: Smoke Density	ASTM E-662	D _s (1.5) <100 D _s (4.0) <200	
Bombardier Toxic Gas Generation	SMP 800-C	Pass	
Boeing Toxic Gas Generation	BSS 7239	Pass	
¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified. ² All thicknesses and colours Not intended for specification purposes.			



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