

KYDEX® 6200 LTR

Acrylic (PMMA) + PVC
SEKISUI Polymer Innovations, LLC

Message:

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

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
- Window Reveal
- Bulkhead Components
- 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

General Information			
Features	Flame Retardant		
	Good Processability		
	Good Trimmability		
	Low Smoke Emission		
Uses	Automotive Interior Parts		
	Seats		
Agency Ratings	ASTM E 162		
	ASTM E 662		
Appearance	Colors Available		
	Finishes Available		
Forms	Sheet		
Processing Method	Thermoforming		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.18 mm)	2260	MPa	ASTM D638
Tensile Strength (Yield, 3.18 mm)	23.4	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2710	MPa	ASTM D790
Flexural Strength (3.18 mm)	42.6	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed	82.2	°C	
1.8 MPa, Annealed	71.1	°C	
Flammability	Nominal Value		Test Method
Radiant Panel Flame Spread Index	Pass		ASTM E162
Smoke Developed ¹	Pass		ASTM E662
Toxicity ²	Pass		Internal Method
NOTE			
1.	4 mins		
2.	SMP 800C		

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