KYDEX® 6200 LTR

Acrylic (PMMA) + PVC

KYDEX, LLC.

Product Description

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

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
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/cm³	ASTM D792
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
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	78		ASTM D785
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**	**Unit**	**Test Method**
Radiant Panel Flame Spread Index	Pass		ASTM E162
Smoke Developed [2]	Pass		ASTM E662
Toxicity [3]	Pass		Internal Method

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 4 mins

[3] SMP 800C