

KYDEX® 6200

Acrylic (PMMA) + PVC
SEKISUI Polymer Innovations, LLC

Message:
KYDEX® 6200 is a proprietary, high performance thermoplastic sheet designed for use in mass transit vehicles such as subways, vans, buses, and trains.

General Information			
Features	Cleanable		
	Flame Retardant		
	Good Chemical Resistance		
	Good Processability		
	Good Tear Strength		
	Low Smoke Emission		
	Solvent Resistant		
Uses	Automotive Interior Parts		
	Seats		
Agency Ratings	ASTM E 162		
	ASTM E 662		
	FAA FAR 25.853a		
Appearance	Colors Available		
	Finishes Available		
Forms	Sheet		
Processing Method	Thermoforming		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.18 mm)	41.0	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2410	MPa	ASTM D790
Flexural Strength (3.18 mm)	63.0	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles)	42.0	mg	ASTM D1044
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	190	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	77.8	°C	ASTM D648
CLTE - Flow	7.9E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (0.710 mm)	V-0		UL 94
Flammability			
900.0 µm	S4, ST2, SR2		DIN 5510-2
6.80 mm	S4, ST2, SR2		DIN 5510-2
Smoke Generation ¹	< 100		ASTM E662
Smoke Generation ²	< 200		ASTM E662
Radiant Panel Flame Spread Index	< 35.0		ASTM E162
NOTE			
1.	1.5 mins		
2.	4 mins		

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