

# KYDEX® 110

Acrylic (PMMA) + PVC  
SEKISUI Polymer Innovations, LLC

Message:  
Super tough, durable KYDEX® 110, a proprietary alloy sheet, brings new dimensions to thermoformers in: formability, rigidity, breakage resistance, chemical resistance and fire retardancy.

General Information			
UL YellowCard		E115252-219447	
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	Machinable		
	Medium Rigidity		
Uses	Aircraft Interiors		
	Business Equipment		
	Decorative Displays		
	Furniture		
	Housings		
	Lighting Fixtures		
	Medical/Healthcare Applications		
Agency Ratings	ASTM E 84 Class 1/A		
	FAR 25.853 (a)		
UL File Number		E115252	
Appearance	Colors Available		
	Metallized - Colors		
Forms		Sheet	
Processing Method	Laminating		
	Press Molding		
	Thermoforming		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (3.18 mm)	45.0	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2450	MPa	ASTM D790
Flexural Strength (3.18 mm)	76.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	73.9	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
3.18 mm	V-0		
0.711 mm	5V		

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#### Recommended distributors for this material

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