

KYDEX® 5555

Acrylic (PMMA) + PVC
SEKISUI Polymer Innovations, LLC

Message:
KYDEX® 5555 is specifically formulated to meet the safety needs of the aviation industry.

General Information			
Features	Cleanable		
	Flame Retardant		
	Good Chemical Resistance		
Uses	Aircraft Applications		
	Aircraft Interiors		
	Laminates		
	Seats		
Agency Ratings	FAR 25.853		
	OSU 65/65		
Appearance	Colors Available		
	Finishes Available		
Forms	Sheet		
Processing Method	Thermoforming		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.18 mm)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (3.18 mm)	43.0	MPa	ASTM D638
Flexural Modulus (3.18 mm)	3830	MPa	ASTM D790
Flexural Strength (3.18 mm)	81.2	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	75.9	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flammability			
> 710.0 µm	Pass	FAR 25.853(a)	

Rate of Heat Release	<55/55	FAR 25.853(d)
Smoke Generation	< 150	FAR 25.853(d)
Thermoforming Molding Temperature	170 to 200	°C

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Recommended distributors for this material

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