

KYDEX® 5555 MB

Acrylic (PMMA) + PVC

SEKISUI Polymer Innovations, LLC

Message:

Microban® technology

KYDEX® is specifically formulated to meet the safety needs of the aviation industry. KYDEX® 5555 is a proprietary, high performance acrylic/PVC thermoplastic sheet that meets all fire retardancy requirements set forth in Federal Aviation Regulations 25.853 paragraphs (a) and (d) (old (c)) including low heat release (65/65) in the OSU rate of heat release test. KYDEX® 5555 exceeds the heat release to a level of 55/55. Its excellent properties make it the ideal material to form two-and-three-dimensional aircraft components.

General Information	
Additive	Biocide
Features	Bacteria Resistant
	Cleanable
	Flame Retardant
	Good Chemical Resistance
	Microbe Resistant
Uses	Aircraft Applications
	Aircraft Interiors
	Laminates
	Seats
Agency Ratings	FAA FAR 25.853a
	FAA FAR 25.853d
	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			
Radiant Panel : > 711.0 μm	Pass		ASTM E162
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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