

KYDEX® FST

Acrylic (PMMA) + PVC

SEKISUI Polymer Innovations, LLC

Message:

KYDEX® FST is a proprietary, high performance thermoplastic sheet specifically formulated to meet all Boeing and Airbus toxicity requirements for aircraft interior components.

KYDEX® FST meets all fire, smoke and heat release requirements set forth in Federal Aviation Regulations 25.853 paragraphs (a) and (d) as well as toxicity requirements for ABD0031, BSS7239 and D6-51377. Its excellent properties make it the ideal material to form 2 and 3-dimensional aircraft components.

General Information			
Additive	Flame Retardant		
Features	Bacteria Resistant		
	Flame Retardant		
	Low Toxicity		
	Microbe Resistant		
Uses	Aircraft Interiors		
Agency Ratings	FAA FAR 25.853a		
	FAA FAR 25.853d		
Appearance	Colors Available		
	Finishes Available		
Forms	Sheet		
Processing Method	Thermoforming		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.18 mm)	125		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.18 mm)	74.0	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2320	MPa	ASTM D790
Flexural Strength (Yield, 3.18 mm)	107	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	121	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flammability			
--	Pass		FAR 25.853(a)

Rate of Heat Release	< 65/65	FAR 25.853(d)
Smoke Generation	Pass	FAR 25.853(d)
Smoke Toxicity ¹	Pass	

NOTE

1. ABD0031, BSS7239, D6-51377

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Recommended distributors for this material


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