

# KYDEX® FST CTL

Acrylic (PMMA) + PVC

SEKISUI Polymer Innovations, LLC

## Message:

KYDEX® FST CTL is a translucent thermoplastic sheet specifically formulated to meet all Boeing and Airbus toxicity requirements for aircraft interior components.

KYDEX® FST CTL meets the flammability, smoke development, and heat release requirements set forth in Federal Aviation Regulations (FAR) 25.853 paragraphs (a) and (d) as well as the toxicity requirements for Airbus (ABD0031) and Boeing (BSS7239). Its excellent thermoforming characteristics make it an ideal material for three-dimensional components where transparent design elements are desirable.

General Information			
Features	Low toxicity		
	Antimicrobial		
Uses	Airplane trim		
Agency Ratings	FAR 25.853 (a)		
	FAR 25.853 (d)		
Appearance	Translucent		
	Available colors		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (3.18 mm)	2390	MPa	ASTM D638
Tensile Strength (3.18 mm)	74.5	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2450	MPa	ASTM D790
Flexural Strength (3.18 mm)	101	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	125	°C	ASTM D648
CLTE - Flow	5.4E-5	cm/cm/°C	ASTM E831
Flammability	Nominal Value	Unit	Test Method
Toxic gas emission <sup>1</sup>	Pass		
Flammability			
NBS Smoke Density <sup>2</sup>			FAR 25.853(d)
OSU Heat Release, Peak <sup>3</sup>		kW/m <sup>2</sup>	FAR 25.853(d)
OSU Heat Release, Total <sup>4</sup>		kW · min/m <sup>2</sup>	FAR 25.853(d)
Vertical Burn, 12 Second	Pass		FAR 25.853(a)
Vertical Burn, 60 Second	Pass		FAR 25.853(a)
Additional Information			

Note: Pre-drying of KYDEX® FST CTL is required prior to thermoforming in order to remove moisture from the sheet.Disclaimer: KYDEX® FST CTL is for interior use only. Color may exhibit lot-to-lot variation.

NOTE	
1.	ABD0031, BSS 7239
2.	Part V
3.	Part IV
4.	Part IV

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

