

# KYDEX® T

Acrylic (PMMA) + PVC  
SEKISUI Polymer Innovations, LLC

Message:

KYDEX® T is a proprietary thermoplastic sheet that is cost competitive with fire retardant ABS/PVC (FR-ABS) formulations but with significantly higher impact strength and extensibility. Since KYDEX® T is less hygroscopic, unlike FR-ABS, it typically does not require pre-drying, offers superior impact, more uniform forming with less wall thinning and offers significantly greater resistance to a broad range of corrosive chemicals and cleaning solutions. It is available in a wide range of aesthetic choices and is Underwriter's Laboratories, Inc® recognized Std 94 V-0, 5V.

General Information	
UL YellowCard	E115252-219470
Features	Cleanable
	Flame Retardant
	Good Abrasion Resistance
	Good Chemical Resistance
	Good Processability
	High Impact Resistance
Uses	Aircraft Interiors
	Automotive Applications
	Housings
	Medical Devices
Agency Ratings	FAA FAR 25.853a
UL File Number	E115252
Appearance	Colors Available
	Finishes Available
Forms	Sheet
Processing Method	Thermoforming
	Vacuum Forming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 3.18 mm)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.18 mm)	42.0	MPa	ASTM D638
Tensile Elongation (Break, 3.18 mm)	110	%	ASTM D638
Flexural Modulus (3.18 mm)	2480	MPa	ASTM D790


Flexural Strength (Yield, 3.18 mm)	66.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	75.6	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
3.18 mm	V-0		
0.710 mm	5V		

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Recommended distributors for this material

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