

KYDEX® T MB

Acrylic (PMMA) + PVC
SEKISUI Polymer Innovations, LLC

Message:

Microban® technology
KYDEX® T MB 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. Microban® protection is built-in to continuously fight the growth of microbes.
Since KYDEX® T MB is less hygroscopic, unlike FR-ABS, is 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	E115252-100072682		
Features	Bacteria Resistant		
	Cleanable		
	Flame Retardant		
	Good Chemical Resistance		
	Good Processability		
	High Impact Resistance		
	High Rigidity		
	Microbe Resistant		
Uses	Aircraft Interiors		
	Automotive Applications		
	Housings		
	Medical Devices		
Agency Ratings	FAR 25-25853A		
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/cm³	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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