

KYDEX® XD MB

Acrylic (PMMA) + PVC
SEKISUI Polymer Innovations, LLC

Message:

KYDEX® XD MB is a thermoplastic 3D laminate giving designers the ability to incorporate compound corners, logos, and wire managment holes while eliminating unsightly seams and the need for edgebanding typically associated with HPL/TFM surfaces. Its integral colour and superior impact resistance minimizes costly maintenance associated with other laminates. Microban® protection is built-in to continuously fight the growth of microbes.

General Information	
Features	Bacteria Resistant
	Durable
	Flame Retardant
	Good Abrasion Resistance
	Good Chemical Resistance
	Good Flexibility
	Good Processability
	Good Toughness
	High Impact Resistance
	Low Moisture Absorption
	Microbe Resistant
	Scratch Resistant
Uses	Counter Top Flatstocks
	Decorative Displays
	Fascias
	Laminates
	Reinforced Panels
	Table Products
Appearance	Colors Available
Forms	Sheet
Processing Method	Thermoforming
	Vacuum Forming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	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 Modulus (3.18 mm)	2420	MPa	ASTM D638
Tensile Strength (3.18 mm)	42.0	MPa	ASTM D638

Tensile Elongation (Break, 3.18 mm)	130	%	ASTM D638
Flexural Modulus (3.18 mm)	2480	MPa	ASTM D790
Flexural Strength (3.18 mm)	66.0	MPa	ASTM D790
Taber Abrasion Resistance (1000 Cycles, 500 g, CS-10F Wheel)	0.00950	mg	ASTM D1044
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (1.02 mm)	800	J/m	ASTM D256
Drop Impact Resistance (1.02 mm)	> 1000		Internal Method
Ball Impact Resistance (1.02 mm)	> 3000		Internal Method
Cleanability	16.0		Internal Method
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	66.2	°C	
1.8 MPa, Annealed, 3.18 mm	75.6	°C	

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