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.

Durable Flame Retardant Good Abrasion Resistance Good Chemical Resistance Good Processability Good Processability Good Toughness High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Scratch Resistant Scratch Resistant Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forms Sheet Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Deckwell Hardness Nominal Value Unit Test Method Cockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Deckwell Hardness Nominal Value Unit Test Method Deckwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method	General Information					
Flame Retardant Good Abrasion Resistance Good Chemical Resistance Good Pexibility Good Processability Good Processability Good Toughness High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Scratch Resistant Sees Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forms Sheet Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Recipectic Gravity 1.35 g/cm² ASTM D792 Hardness Nominal Value Unit Test Method Recipectic Gravity 94 ASTM D785 Mechanical Nominal Value Unit Test Method	Features	Bacteria Resistant				
Good Abrasion Resistance Good Chemical Resistance Good Processability Good Processability Good Toughness High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Cotors Available Frocessing Method Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Resimonal Feet Method Resistant ASTM D792 Hardness Nominal Value Unit Test Method Resistance Good Chemical Resistance Good Chemical Resistance Good Flexibility Good Toughness Nominal Value Unit Test Method Resistance Good Flexibility Good Toughness Resistance Good Flexibility Good Processing Method Unit Test Method Resistance Good Flexibility Good Fl		Durable				
Good Chemical Resistance Good Flexibility Good Processability Good Toughness High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Scratch Resistant Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Frocessing Method Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Test Method Residentical Nominal Value Unit Test Method Residentical Nominal Value Unit Test Method Residentical Nominal Value Unit Test Method Residentical		Flame Retardant				
Good Flexibility Good Processability Good Toughness High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Scratch Resistant Sees Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forcessing Method Thermoforming Vacuum Forming Vacuum Forming Physical Nominal Value Unit Test Method Decorative Method ASTM D792 Landress Nominal Value Unit Test Method Lockwell Hardness (R-Scale, 3.18 mm) 94 ASTM D795 Mechanical Nominal Value Unit Test Method Test Method		Good Abrasion Resistance				
Good Processability Good Toughness High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Scratch Resistant Sees Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forcessing Method Thermoforming Vacuum Forming Vac		Good Chemical Resistance				
Good Toughness High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Ses Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forms Sheet Processing Method Thermoforming Vacuum Forming Vacuum Forming Physical Nominal Value Unit Test Method Sockwell Hardness (R-Scale, 3.18 mm) 94 ASTM D785 Mechanical Nominal Value Unit Test Method		Good Flexibility				
High Impact Resistance Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Sess Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forcessing Method Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Sockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method		Good Toughness High Impact Resistance				
Low Moisture Absorption Microbe Resistant Scratch Resistant Scratch Resistant Scratch Resistant 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 Sockwell Hardness (R-Scale, 3.18 mm) 94 ASTM D795 Mechanical Nominal Value Unit Test Method						
Microbe Resistant Scratch Resistant Scratch Resistant Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forms Sheet Processing Method Thermoforming Vacuum Forming Vacuum Forming Physical Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 ASTM D795 Mechanical Nominal Value Unit Test Method						
Scratch Resistant Uses Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forcessing Method Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Specific Gravity 1.35 g/cm² ASTM D792 Hardness Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method						
Uses Counter Top Flatstocks Decorative Displays Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forcessing Method Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method ASTM D792 Hardness Nominal Value Unit Test Method ASTM D792 Hardness Rechanical Nominal Value Unit Test Method Divit Test Method Test Method Divit Test Method		Microbe Resistant				
Decorative Displays Fascias Laminates Reinforced Panels Table Products Colors Available Forms Sheet Processing Method Thermoforming Vacuum Forming Vacuum Forming Specific Gravity 1.35 g/cm³ ASTM D792 Hardness Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method		Scratch Resistant				
Decorative Displays Fascias Laminates Reinforced Panels Table Products Colors Available Forms Sheet Processing Method Thermoforming Vacuum Forming Vacuum Forming Specific Gravity 1.35 g/cm³ ASTM D792 Hardness Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method						
Fascias Laminates Reinforced Panels Table Products Appearance Colors Available Forcessing Method Thermoforming Vacuum Forming Vacuum Forming Physical Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method ASTM D785 Mechanical Nominal Value Unit Test Method	Uses	Counter Top Flatstocks				
Laminates Reinforced Panels Table Products Appearance Colors Available Forms Sheet Processing Method Thermoforming Vacuum Forming Vacuum Forming Physical Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) Page Mechanical Nominal Value Unit Test Method Nominal Value Unit Test Method Nominal Value Unit Test Method		Decorative Displays				
Reinforced Panels Table Products Appearance Colors Available Forms Sheet Thermoforming Vacuum Forming Vacuum Forming Specific Gravity 1.35 Sockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) 94 Nominal Value Unit Test Method Rockwell Hardness (R-Scale, 3.18 mm) Place Appearance Rockwell Mechanical Rockwell Momental Value Unit Test Method		Fascias				
Table Products Appearance Colors Available Forms Sheet 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		Laminates				
Appearance Colors Available Forcessing Method Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Appearance Colors Available Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Appearance Colors Available Thermoforming Vacuum Forming Physical Nominal Value Unit Test Method Appearance Colors Available Thermoforming Vacuum Forming Physical Unit Test Method Appearance Colors Available Thermoforming Vacuum Forming Physical Unit Test Method Appearance Colors Available Test Method Mechanical Nominal Value Unit Test Method		Reinforced Panels				
Sheet Processing Method Physical Nominal Value Unit Test Method Specific Gravity 1.35 Mominal Value Unit Test Method Unit Test Method ASTM D792 Hardness Nominal Value Unit Test Method One Method Nominal Value Unit Test Method One M		Table Products				
Sheet Processing Method Physical Nominal Value Unit Test Method Specific Gravity 1.35 Mominal Value Unit Test Method Unit Test Method ASTM D792 Hardness Nominal Value Unit Test Method One Method Nominal Value Unit Test Method One M						
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 ASTM D792 ASTM D795 Mechanical Nominal Value Unit Test Method	Appearance					
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 Mechanical Nominal Value Unit Test Method	Forms					
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	Processing Method					
Specific Gravity 1.35 Rockwell Hardness (R-Scale, 3.18 mm) 94 Mechanical Nominal Value Unit Test Method ASTM D792 ASTM D792 ASTM D785 Mechanical Unit Test Method		Vacuum Forming				
Specific Gravity 1.35 Rockwell Hardness (R-Scale, 3.18 mm) 94 Mechanical Nominal Value Unit Test Method ASTM D792 ASTM D792 ASTM D785 Mechanical Unit Test Method	Physical	Nominal Value	Unit	Test Method		
Rockwell Hardness (R-Scale, 3.18 mm) 94 ASTM D785 Mechanical Nominal Value Unit Test Method	Specific Gravity	1.35	g/cm³	ASTM D792		
Mechanical Nominal Value Unit Test Method	Hardness	Nominal Value	Unit	Test Method		
	Rockwell Hardness (R-Scale, 3.18 mm)	94		ASTM D785		
ensile Modulus (3.18 mm) 2420 MPa ASTM D638	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 Strength (3.18 mm)	42.0	MPa	ASTM D638		

Tensile Elongation (Break, 3.18 mm)	130	%	ASTM D638
Flexural Modulus (3.18 mm)	2480	МРа	ASTM D790
Flexural Strength (3.18 mm)	66.0	МРа	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	

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

