

KYDEX® XD 3D Laminate

For flat lamination and membrane pressed applications

INTRODUCTION

KYDEX® XD is a thermoplastic 3D laminate giving designers the ability to incorporate compound corners, logos, and wire management holes while eliminating unsightly seams and the need for edgebanding typically associated with HPL/TFM surfaces. Its integral color and superior impact resistance minimizes costly maintenance associated with other laminates.

GENERAL INFORMATION

Extreme durability (XD), superior impact, membrane pressable thermoplastic 3D laminate with integral color from 0.76mm-1.02mm (0.030"-0.040") thickness. While providing good definition it surpasses vinyl overlays, high pressure laminates and melamine in resistance to surface and edge impact.

SUGGESTED APPLICATIONS

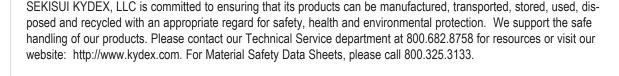
- Store fixtures
- · Checkout counters
- Exhibits and displays
- Moldings
- Transaction surfaces
- Workstations
- · Logo and trademark panels

- Kiosks
- Cabinetry
- · Door and drawer fascias
- · Pedestals and stands
- Gondolas
- Tabletops
- · Flat laminated panels

FEATURES

- · Tough and durable
- · Resistant to cracking and chipping
- · Solid, integral color
- 3500+ custom colors
- · Resistant to a wide range of chemicals
- Abrasion resistant
- Fire retardant
- · Excellent fabrication qualities
- · Very low moisture absorption
- Membrane pressable
- · Flexibility allows small radius bends

ENVIRONMENTAL & SAFETY CONSIDERATIONS



SEKISUI KYDEX

Customer Collaboration

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TEST METHOD	TYPICAL VALUE	
ASTM D792	1.35	
ASTM D785	94	
ASTM D638	42 MPa	6,100 psi
ASTM D638	2,416 MPa	351,000 psi
ASTM D638	126%	
ASTM D790	66 MPa	9,600 psi
ASTM D790	2,480 MPa	360,000 psi
ASTM D256	801 J/m	15 ft-lb _f /in
ASTM D1044	0.0095	
NEMA LD3 - 2005	>3,000	
NEMA LD3 - 2005	>1,000	
NEMA LD3 - 2005	16	
ASTM D648	75.6°C	168°F
ASTM E84	Class 1/A	
EN 13501-1	Class B, s2, d0 (0.76mm) Class C, s2, d0 (1.02mm)	
	ASTM D792 ASTM D785 ASTM D638 ASTM D638 ASTM D638 ASTM D790 ASTM D790 ASTM D256 ASTM D1044 NEMA LD3 - 2005 NEMA LD3 - 2005 NEMA LD3 - 2005 ASTM D648 ASTM D648	ASTM D792 1.3 ASTM D785 9 ASTM D638 42 MPa ASTM D638 2,416 MPa ASTM D638 126 ASTM D790 66 MPa ASTM D790 2,480 MPa ASTM D256 801 J/m ASTM D1044 0.00 NEMA LD3 - 2005 >3,0 NEMA LD3 - 2005 11,0 ASTM D648 75.6°C ASTM D648 Class EN 13501.1 Class B, s2, 1

¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified.



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² Type CS10F wheel, 500gm load, weight loss (gms) per 1000 cycles.

³ Values based upon 1.02mm (0.040") sheet.

Not intended for specification purposes.