KYDEX® XD-ION

Flat lamination and membrane press sheet with premium antimicrobial protection

INTRODUCTION

KYDEX® XD-ION 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. Its built-in antimicrobial protection, KYDEX ION Technology™, continuously fights the growth of stain and odor causing bacteria on its surface.

GENERAL INFORMATION

Extreme durability (XD), superior impact, membrane pressable thermoplastic 3D laminate with integral color in 0.76mm and 1.02mm (0.030" and 0.040") thicknesses. While providing good definition it surpasses vinyl overlays, high pressure laminates and melamine in resistance to surface and edge impact. Its KYDEX ION Technology™ is integral to the sheet.

SUGGESTED APPLICATIONS

- Store fixtures
- Checkout counters
- Exhibits and displays
- Workstations
- Flat laminated panels
- Logo and trademark panels
- Kiosks
- Cabinetry
- Door and drawer fasciae
- Pedestals and stands
- Tabletops
- Gondolas

FEATURES

- Antimicrobial protection inhibits the growth of stain and odor causing bacteria on the sheet surface
- Antimicrobial protection is integrated into the sheet
- Antimicrobial protection keeps the surface cleaner between cleanings
- Membrane pressable to create seamless edges, eliminating edgebanding
- Resistant to cracking and chipping
- Solid, integral colour
- Resistant to a wide range of chemicals
- Inherently fire retardant, no flame retardants added to material

ENVIRONMENTAL & SAFETY CONSIDERATIONS

SEKISUI KYDEX, LLC is committed to ensuring that its products can be manufactured, transported, stored, used, disposed and recycled with an appropriate regard for safety, health, and environmental protection. We support the safe handling of our products.

Contact SEKISUI KYDEX appLab™ team for more details about KYDEX ION Technology™, resources, and Safety Data Sheets at 800.682.8758 or visit our website: www.kydex.com.

Customer Collaboration
6685 Low St, Bloomsburg, PA 17815 USA
Phone: 800.325.3133, +1.570.389.5810
Email: info@kydex.com

appLab™
Phone: 800.682.8758
Email: applab@kydex.com

kydex.com

*KYDEX® Thermoplastics incorporate an advanced EPA-registered antimicrobial for the protection and preservation of our polymeric and plastic materials. KYDEX® Thermoplastics are treated only to protect the polymeric and plastic materials and do not confer protection from bacteria to users of our products. Always clean the product thoroughly after use. To learn more about KYDEX ION Technology™ or to have a technical conversation, contact our appLab™ team at appLab@kydex.com or 800.682.8758.

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PROPERTY	TEST METHOD	TYPICAL VALUE[1]	
PHYSICAL			
Specific Gravity	ASTM D792	1.35	
Rockwell Hardness, R-scale	ASTM D785	94	
MECHANICAL			
Tensile Strength	ASTM D638	48.9 MPa	7,100 psi
Tensile Modulus	ASTM D638	2,640 MPa	383,000 psi
Flexural Strength	ASTM D790	67.2 MPa	9,750 psi
Flexural Modulus	ASTM D790	2,151 MPa	312,000 psi
Abrasion Resistance[2]	ASTM D1044	0.0095	
Ball Impact Resistance	NEMA LD3 - 2005	>3,000	
Dart Impact Resistance	NEMA LD3 - 2005	>1,000	
Cleanability	NEMA LD3 - 2005	16	
THERMAL			
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) unannealed	ASTM D648	67.2ºC	153ºF
FLAMMABILITY[3]			
Steiner Tunnel Flame Spread/Smoke Development	ASTM E84	Class 1/A (test pending)	

1 Values based upon 3.18mm (0.125") sheet unless otherwise specified. Based on in-house testing. Values may change upon completion of third party testing.
2 Type CS10F wheel, 500gm load, weight loss (gms) per 1000 cycles.
3 Values based upon 1.02mm (0.040") sheet. (testing pending)
Not intended for specification purposes.

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