

## KYDEX® XD03 ION

Pearlescent sheet for flat lamination and membrane pressing with premium antimicrobial protection

### INTRODUCTION

KYDEX® XD03 ION is a proprietary, high performance thermoplastic sheet specifically formulated to meet aesthetic effect for the design needs of the building and retail interiors industry. Integrally pearlescent, this sheet is perfect for use with LED lighting or on its own. Its built-in antimicrobial protection, KYDEX ION Technology™, continuously fights the growth of stain and odor causing bacteria on its surface.

### GENERAL INFORMATION

KYDEX® XD03 ION: superior impact, membrane pressable thermoplastic 3D laminate with integral pearlescent color. While providing good definition, it surpasses vinyl overlays, high pressure laminates and melamine in resistance to surface and edge impact. For flat lamination and membrane pressing. Its KYDEX ION Technology™ is integral to the sheet. It will not wash or wear away and will last for the life of the product.

### 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
- Available in P-K texture and thicknesses 0.76mm (0.030") to 1.02mm (0.040")

### 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](http://www.kydex.com).

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\*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](mailto:applab@kydex.com) or 800.682.8758.

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PROPERTY	TEST METHOD	TYPICAL VALUE <sup>1</sup>
<b>PHYSICAL</b>		
Light Resistance	NEMA LD3.3	Severe Effect
Cleanability/Stain Resistance	NEMA LD3.4	No Effect
Boiling Water Resistance	NEMA LD3.5	Severe Effect
High Temperature Resistance (Oil)	NEMA LD3.6	Moderate Effect
Linear Glass Scratch Resistance	NEMA LD3.7	<50g
Diamond Scratch Resistance	NEMA LD3.7	3
Ball Impact Resistance	NEMA LD3.8	>3,000mm
Dart Impact Resistance	NEMA LD3.9	>1,075mm
Radiant Heat Resistance (Coil)	NEMA LD3.10	46 sec
Radiant Heat Resistance (Strip)	NEMA LD3.10	47 sec
Dimensional Change	NEMA LD3.11	MD: 0.26% TD: 0.39%
Room Temperature Dimensional Stability	NEMA LD3.12	MD: 0.07% TD: 0.03%
Wear Resistance	NEMA LD3.13	3,700 cycles
<b>FLAMMABILITY</b>		
Steiner Tunnel Flame Spread/Smoke Development	ASTM E84	Class 1/A (test pending) (thicknesses 1.02mm (0.040") or less)
<sup>1</sup> Values based upon 0.76mm (0.030") sheet unless otherwise specified. Not intended for specification purposes.		
<b>NOTE: Material appearance will change in proportion to the amount of heat applied during processing.</b>		



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