

KYDEX® XDWG 3D Laminate

Capped woodgrain sheet for flat lamination and membrane press applications

Introduction

KYDEX® XDWG is a decorative wood grain 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 colour and high impact resistance minimizes costly maintenance associated with other laminates.

General Information

High impact, membrane pressable thermoplastic 3D laminate with wood grain design in 0.91mm (0.036") thickness. While providing great 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
- Flat laminated panels
- Kiosks
- Cabinetry
- Door and drawer fascias
- Pedestals and stands
- Tabletops
- Logo and trademark panels

Features

- Tough and durable - resistant to cracking and chipping
- Available in a variety of wood grain designs
- Matched to popular high pressure laminates and melamines
- 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

Print Width

KYDEX® WG 3D Laminate is offered with a range of decorative options via lamination of printed films. SEKISUI SPI purchases these printed films from various suppliers whose production capabilities differ. Among these production variations is the print width.

While many film designs print at least 1346.2mm (53") of coverage, SEKISUI SPI purchases some designs with less print width (due to the manufacturer's printing capabilities). Please contact your SEKISUI SPI sales or customer service representative for the print width availability of a specific design.



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Environmental and Safety Considerations

Physical Properties

SEKISUI SPI 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. Please contact our Technical Service department at 800.682.8758 for resources or visit our website: <http://www.sekisui-spi.com>. For Material Safety Data Sheets, please call 800.325.3133.

Property	Test Method	Typical Value ¹
Light Resistance	NEMA LD3.3	No Effect
Cleanability	NEMA LD3.4	14
Stain Resistance	NEMA LD3.4	No Effect (1-2, 4-15) Severe Effect (3)
Boiling Water Resistance	NEMA LD3.5	No Effect
High Temperature Resistance (Oil)	NEMA LD3.6	Moderate Effect
Linear Glass Scratch Resistance	NEMA LD3.7	<50g
Diamond Scratch Resistance	NEMA LD3.7	2
Ball Impact Resistance	NEMA LD3.8	>3000mm
Dart Impact Resistance	NEMA LD3.9	>875mm
Radiant Heat Resistance (Coil)	NEMA LD3.10	43 sec
Radiant Heat Resistance (Strip)	NEMA LD3.10	51 sec
Dimensional Change	NEMA LD3.11	MD: 1.05% TD: 0.67%
Room Temperature Dimensional Stability	NEMA LD3.12	MD: 0.08% TD: 0.07%
Wear Resistance	NEMA LD3.13	650 cycles
Flammability: Surface Burning Characteristics of Building Materials	ASTM E84	Class 1/A

¹ Values based upon 0.91 mm (0.036") sheet unless otherwise specified.
Not intended for specification purposes.

*NOTE: Material appearance will change in proportion to the amount of heat applied during processing.



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This information supersedes all previously published data.