

## 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. KYDEX, LLC 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, KYDEX purchases some designs with less print width (due to the manufacturer's printing capabilities). Please contact your KYDEX sales or customer service representative for the print width availability of a specific design.

#### KYDEX, LLC

ISO 9001 and 14001 Certified

#### Customer Service

6685 Low St, Bloomsburg, PA 17815 USA  
 Phone: 800.325.3133, +1.570.389.5810  
 Outside the US: +1.570.389.5814  
 Fax: 800.452.0155, +1.570.387.7786  
 Email: info@kydex.com

#### Technical Service

Phone: 800.682.8758  
 Fax: +1.570.387.8722  
 Outside the US: +1.570.387.6997  
 techservice@kydex.com

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



## KYDEX® XDWG 3D Laminate

Capped woodgrain sheet for flat lamination and membrane press applications

### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>
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

<sup>1</sup> Values based upon 0.91mm (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.

**KYDEX, LLC**  
ISO 9001 and 14001 Certified

**Customer Service**  
6685 Low St, Bloomsburg, PA 17815 USA  
Phone: 800.325.3133, +1.570.389.5810  
Outside the US: +1.570.389.5814  
Fax: 800.452.0155, +1.570.387.7786  
Email: info@kydex.com

**Technical Service**  
Phone: 800.682.8758  
Fax: +1.570.387.8722  
Outside the US: +1.570.387.6997  
techservice@kydex.com

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

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of our products in any given situation. Users should conduct their own tests to determine the suitability of each product for their particular purposes. Data in the physical property table represents typical values and are to serve only as a guide for engineering design. Results are obtained from specimens under ideal laboratory conditions. Right to change physical properties as a result of technical progress is reserved. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE. Buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Consult local code and regulatory agencies for specific requirements regarding code compliance, transporting, processing, recycling and disposal of our product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.

This information supersedes all previously published data.