

KYDEX® WG 3D Laminate

For flat lamination and membrane pressed applications

Introduction

KYDEX® WG 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 0.76mm (0.030") 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
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Fax: 800.452.0155, +1.570.387.7786
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Technical Service

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www.kydex.com



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Environmental and Safety Considerations

Physical Properties

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

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.42	
Tensile Strength	ASTM D-638	50 MPa	7,200 psi
Tensile Modulus	ASTM D-638	2761 MPa	401,000 psi
Elongation %	ASTM D-638	167	
Flexural Strength	ASTM D-790	86.5 MPa	12,570 psi
Modulus of Elasticity	ASTM D-790	3367 MPa	489,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	94	
Heat Deflection Temperature (HDT) @264psi (1.8 MPa) unannealed/annealed	ASTM D-648	67.1°C 75.1°C	153°F 167°F
Abrasion Resistance ³	ASTM D-1044	0.0064	
Ball Impact Resistance ²	NEMA LD3 - 2005	> 3000	
Dart Impact Resistance ²	NEMA LD3 - 2005	> 1000	
Cleanability ⁴	NEMA LD3 - 2005	14	
Surface Burning Characteristics: ² Flame Spread / Smoke	ASTM E-84	Class 1/A	

¹ Values based upon 3.20mm (0.125") sheet unless otherwise specified.

² Values based upon 0.76mm (0.030") sheet.

³ Type CS10F wheel, 500gm load, weight loss (gms) per 1000 cycles.

⁴ Slight variations in the cleanability properties may occur dependent upon the type of coating and emboss used in each printed surface. Not intended for specification purposes.

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This information supersedes all previously published data.