

## KYDEX® 152WG

Capped wood grain sheet for flat and membrane pressed applications

### INTRODUCTION

Super tough, durable KYDEX® 152WG sheet brings new dimensions to membrane pressers in: extensibility, rigidity, abrasion resistance and fire retardancy.

### GENERAL INFORMATION

This high performance thermoplastic sheet is available in several aesthetically pleasing woodgrain patterns; each substrate color is custom matched to compliment the woodgrain cap. It rates Class 1/A when tested according to the ASTM E84, the Steiner Tunnel Test, and V-0 when independently tested to Underwriters Laboratories, Inc.® Std 94 testing

### SUGGESTED APPLICATIONS

- Exhibits & Displays
- Kiosk Housings
- Miscellaneous Applications
- Store Fixture Components
- Contract Furniture Components

### FEATURES

- More rigid than most thermoplastics so parts will deform less when loaded
- Outstanding resistance to breakage
- Superior scratch and abrasion resistance as evidenced by Hoffman Scratch and Taber Abrasion tests
- Substrate of complimentary color camouflages gouges
- Rated Class 1/A according to ASTM E84 Tunnel Test in independent laboratory testing (thicknesses less than 1.00mm (0.040"))
- Rated V-0 in all thicknesses and colors when independently tested to Underwriter's Laboratories, Inc.® Standard 94
- Available in 13 popular wood grain patterns

### PRINT WIDTH

KYDEX® 152WG 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.

### 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. 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.



#### Customer Collaboration

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PROPERTY	TEST METHOD	TYPICAL VALUE <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.37	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	42 MPa	6,100 psi
Flexural Strength	ASTM D790	66 MPa	9,600 psi
Flexural Modulus	ASTM D790	2,480 MPa	360,000 psi
Izod Impact, notched	ASTM D256	795 J/m	15 ft-lb <sub>f</sub> /in
Scratch Resistance	Hoffman Scratch	2000+ g	
Compressive Modulus	ASTM D695	3,300 MPa	489,000 psi
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D648	75.6°C	168°F
<b>FLAMMABILITY</b>			
Underwriters Laboratories, Inc.® Component Recognition	UL Standard 94 <sup>2</sup>	V-0	
Flame Spread/Smoke Developed 1.0mm (0.040") or less	ASTM E84	Class 1/A	
<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified. <sup>2</sup> Independent Laboratory Tested Not intended for specification purposes.			



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