

## 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 I/A when tested according to the ASTM E-84, 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 I/A according to ASTM E-84 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

### Environmental and Safety Considerations

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.

### 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.

#### SEKISUI SPI

ISO 9001 and 14001 Certified

#### Customer Service

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### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
Specific Gravity	ASTM D-792	1.37	
Tensile Strength	ASTM D-638	42 MPa	6,100 psi
Flexural Strength	ASTM D-790	66 MPa	9,600 psi
Modulus of Elasticity	ASTM D-790	2,480 MPa	360,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	795 J/m	15 ft-lbs/in
Scratch Resistance	Hoffman Scratch	2,000+ g	
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed	ASTM D-648	75.6°C	168°F
Flammability: Flame Spread/Smoke Developed 1.0 mm (0.040") or less	ASTM E-84	Class I/A	
Flammability: Independent Laboratory Testing	UL Std 94	V-0	

<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified.  
<sup>1</sup> Independent Laboratory Test  
 Not intended for specification purposes.

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This information supersedes all previously published data.