



## KYDEX<sup>®</sup> 152WG

Capped wood grain sheet for flat and membrane pressed applications

### Introduction

Super tough, durable KYDEX<sup>®</sup> 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 tested to Underwriter's Laboratories, Inc<sup>®</sup> Std 94 testing.

### Suggested Applications

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

### 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 (UL 723) in an independent laboratory test (thicknesses less than 1.00mm (0.040")).
- \* rates V-0 according to UL 94 independent lab. testing
- \* available in several popular wood grain patterns
- \* endorsed by the Royal Institute of Public Health for conformance to the standard of Hygienic Merit

### Environmental and Safety Considerations

Kleerdex 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: [www.kydex.com](http://www.kydex.com). For Material Safety Data Sheets, please call 800.325.3133.

#### **Kleerdex Company, LLC**

ISO 9001 and ISO 14001 Certified

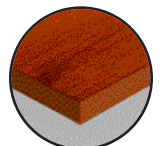
#### Customer Service

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*Durability by Design<sup>®</sup>*

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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	
Taber Abrasion			
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed	ASTM D-648	75.6°C	168°F
Flammability: Independent Laboratory Testing	ASTM E-84 (UL 723)	Class I/A @ 1.00mm (0.040")	
Independent Laboratory Testing	UL Std 94	V-0 @ 1.00mm (0.040")	
<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified. Not intended for specification purposes.			

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 products. 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.

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