

## 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 independently tested to Underwriter's Laboratories, Inc<sup>®</sup> 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 (UL 723) in an independent laboratory test (thicknesses less than 1.00mm (0.040")).
- Rated V-0 in all thicknesses and colors when independently tested to Underwriter's Laboratories, Inc<sup>®</sup> Standard 94
- Available in 13 popular wood grain patterns

### Environmental and Safety Considerations

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.



ISO 9001:2000 | ISO 14001:2004 Certified

#### Customer Service

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



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This information supersedes all previously published data.