



Technical Data Sheet



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 Underwriter's 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 (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® 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	
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: Independent Laboratory Testing	ASTM E-84 (UL 723)	Class I/A @ 1.00mm (0.040")	
Flammability: Independent Laboratory Testing	UL Std 94	V-0	

† 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.

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