



KYDEX® 160

Class I/A rated thermoplastic sheet

Introduction

KYDEX® 160 thermoplastic sheet is used for laminating and thermoforming applications requiring a Class I/A rating.

General Information

Unlike many other thermoplastics KYDEX® 160 is less hygroscopic and frequently does not require pre-drying. It meets Class I/A building code ratings up to 3.18mm (0.125") and is UL listed up to 2.03mm (0.080").

Suggested Applications

- * Cleaning Room Walls & Ceilings
- * Protective Wall Covering Systems
- * Miscellaneous Applications

Features

- * available in six thicknesses from 0.71mm (0.028") to 3.18mm (0.125"), nine textures, a variety of colors, custom color matching, custom blank sizes, and low minimums
- * more resistant to a wider range of concentrated chemicals, allowing the use of stronger cleaning agents with no discoloration or surface damage
- * good formability and extensibility
- * easy to work with once formed
- * endorsed by the Royal Institute of Public Health for conformance to the standard of Hygienic Merit
- * not available for field applied wallcovering applications. Please contact Kleerdex Company Customer Service with your requirements.

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. For Material Safety Data Sheets, please call 800.325.3133.

Kleerdex Company, LLC

ISO 9001 and ISO 14001 Certified

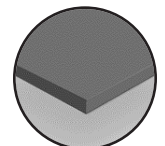
Customer Service

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Technical Service

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www.kydex.com



Durability by Design®



KYDEX® 160

Class I/A rated thermoplastic sheet

Physical Properties

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.35 - 1.45	
Tensile Strength	ASTM D-638	40 MPa	5,800 psi
Flexural Strength	ASTM D-790	72 MPa	10,500 psi
Modulus of Elasticity	ASTM D-790	2,551 MPa	370,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	107 - 214 J/m	2 - 4 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	97	
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed	ASTM D-648	71°C	160°F
Flammability: ² Flame Spread Smoke Developed	ASTM E-84 less than 1.50mm (0.060")	20	175
Flame Spread Smoke Developed	ASTM E-84 less than 2.03mm (0.080")	20	250
Flame Spread Smoke Developed ³	ASTM E-84 less than 3.18mm (0.125")	15	400

¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified.
² Underwriter's Laboratories, Inc., File R6738
³ Independent Laboratory Testing
 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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