



KYDEX® 110

Fire-rated metallic sheet

Introduction

Super tough, durable KYDEX® 110, a proprietary alloy sheet, brings new dimensions to thermoformers in: formability, rigidity, breakage resistance, chemical resistance and fire retardancy.

General Information

This high performance thermoplastic sheet is available in silver, copper and bronze. It passes Underwriter's Laboratories, Inc® Std 94 V-0, 5V (independent lab).

Suggested Applications

- * Aircraft Interiors
- * Exhibits and Displays
- * Kiosk Housings
- * Miscellaneous Applications

Features

- * for deep or hard to form parts where good finished detail is required
- * more rigid than most thermoplastics so parts will deform less when loaded
- * meets highest standard for chemical resistance for thermoplastic materials
- * passes UL® Std 94 V-0, 5V in all thicknesses and colors
- * excellent forming properties, uniform wall thicknesses and crisp detail
- * easy machining and fabricating using conventional methods and equipment
- * endorsed by the Royal Institute of Public Health for conformance to the standard of Hygenic 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. For Material Safety Data Sheets, please call 800.325.3133.

Kleerdex Company, LLC

ISO 9001 and ISO 14001 Certified

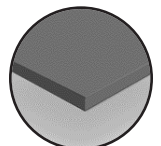
Customer Service

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Technical Service

Phone: 800.682.8758 ext. 581
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Durability by Design®



Physical Properties

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.31	
Tensile Strength	ASTM D-638	44.8 MPa	6,500 psi
Flexural Strength	ASTM D-790	76 MPa	11,000 psi
Modulus of Elasticity	ASTM D-790	2,450 MPa	356,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	128 J/m	2.4 ft-lbs/in
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	74°C	165°F
Flammability: Underwriter's Laboratories, Inc. [®] Component Recognition	UL Standard 94 ²	V-0, 5V ⁵	
Class 1A	ASTM E-84	Pass ⁴	
Federal Aviation Administration	FAR 25.853 (a)	Pass ³	
¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified. ² Independent Lab ³ All thicknesses 0.71mm (0.028") and above ⁴ All thicknesses 1.50mm (0.060") and below 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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