



KYDEX[®] 550
Weatherable monolithic sheet

Introduction

Unlike competitive weatherable sheet grades, KYDEX[®] 550 is a monolithic sheet eliminating the problems often associated with thermoplastic sheet.

General Information

KYDEX[®] 550 is available in thicknesses from 0.71mm (0.028") and up and in eight distinctive textures. It is available in limited colors.

Suggested Applications

- * Kiosk Housings
- * Contract Furniture Components
- * Miscellaneous Applications

Features

- * offers same properties of KYDEX[®], but in a weatherable formula
- * highly impact resistant as measured by the Notched Izod Impact Resistance test
- * fire retardant (self-extinguishing) with a UL Std 94 V-0 rating
- * available in seven colors: Polar White (62000), Ivory (62015), Snowflake (62029), Natural (62059), White (62067), and Beige (72005)
- * excellent forming properties, uniform wall thickness and crisp detail
- * easy machining and fabricating using conventional methods and equipment
- * exhibits a Dielectric Constant of 2.7 @ 2.5 GHz, 2.74 @ 5 GHz and 2.74 @ 20 GHz
- * 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

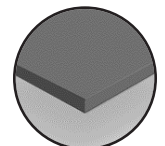
Customer Service

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Technical Service

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www.kydex.com



Durability by Design[®]



KYDEX® 550

Weatherable monolithic sheet

Physical Properties

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.38 - 1.40	
Tensile Strength	ASTM D-638	42 MPa	6,100 psi
Flexural Strength	ASTM D-790	64 MPa	9,300 psi
Modulus of Elasticity	ASTM D-790	2,344 MPa	340,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	801 J/m	15 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	93	
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed	ASTM D-648	79°C	175°F
Flammability: Independent Laboratory Testing	UL Standard 94	V-0	
Forming Temperature		163 - 200°C	325 - 390°F

¹ 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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