



KYDEX® 101

Thermoplastic sheet for signage

Introduction

KYDEX® 101 is a proprietary alloy sheet capped with a weatherable cap for applications such as electrical signs requiring Underwriter's Laboratories, Inc® compliance.

General Information

KYDEX® 101 meets the UL Std 746C and UL® Std 94 V-0, 5V. Since the substrate is white, it eliminates the need for painting the inside of sign cars, which is required with other thermoplastics and with metal. It offers outstanding thermoformability, impact resistance, weatherability and machinability.

Suggested Applications

- * Equipment Housings
- * Illuminated Signage Housings
- * Miscellaneous Applications

Features

- * more rigid than most thermoplastics so parts will deform less when loaded
- * unsurpassed breakage resistance measured by the Notched Izod test
- * cap offers excellent weatherability for use in outdoor applications
- * excellent forming properties, resulting in uniform wall thickness 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

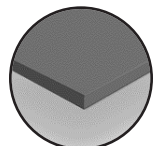
Customer Service

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Technical Service

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Durability by Design®



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Physical Properties

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.35	
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	2,310 MPa	335,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	953 J/m	18 ft-lbs/in
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	78°C	173°F
Flammability: Underwriter's Laboratories, Inc® Component Recognition	UL Standard 94 ² UL Standard 746C	V-0 ³ Pass ³	
Forming Temperature		163 - 200°C	325 - 390°F

¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified.
² Underwriter's Laboratories, Inc®, File E115252
³ All thicknesses 0.71mm (0.028") and above
 Not intended for specification purposes.

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This information supersedes all previously published data.

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