



KYDEX[®] 301

High impact fire-rated sheet with a color match cap over a field-of-color substrate

Introduction

KYDEX[®] 301 is a proprietary Bi-layer thermoplastic sheet that is cost competitive with fire retardant ABS (FR-ABS) formulations, but with superior properties.

General Information

KYDEX[®] 301 is hygroscopic, unlike FR-ABS, therefore it typically does not require pre-drying and offers significantly greater resistance to a broad range of corrosive chemicals and cleaning solutions. It is available in a wide range of aesthetic choices and is Underwriter's Laboratories, Inc[®] recognized Std 94 V-0, 5V.

Suggested Applications

- * Aircraft Interiors
- * Exhibits and Displays
- * Medical Products
- * Store Fixture Components
- * Miscellaneous Applications

Features

- * colored cap and similarly colored substrate allow for a more cost competitive sheet with little sacrifice in appearance or physical properties
- * formulated to substitute for PVC sheet with competitive pricing but superior cost/performance
- * offered in thicknesses from 1.00mm (0.040") to 10.00mm (0.390")
- * easy to form, good part definition and deep-draw characteristics
- * similar forming times to FR-ABS making it an easy transition from competitive products
- * endorsed by the Royal Institute of Public Health for conformance to the standard of Hygienic Merit

Flammability Tests

Meets requirements for:

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

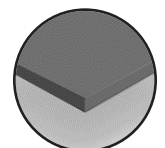
Customer Service

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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
Elongation %	ASTM D-638	110	
Flexural Strength	ASTM D-790	66 MPa	9,600 psi
Modulus of Elasticity	ASTM D-790	2,482 MPa	360,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	640 J/m	12 ft-lbs/in
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa)	ASTM D-648	75.5°C	168°F
Flammability: Underwriter's Laboratories, Inc® Component Recognition	UL Standard 94 ²	V-0, 5V ³	
Federal Aviation Administration	FAR 25.853 (a)	Pass ³	
¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified. ² Underwriter's Laboratories, Inc® ³ Not intended for specification purposes.			

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This information supersedes all previously published data.

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