



KYDEX® V103

High impact fire-rated sheet

Introduction

KYDEX® V103 sheet is a recycled grade of a proprietary thermoplastic sheet that is cost competitive with other grades of thermoplastic sheet while offering improved performance.

General Information

KYDEX® V103 is Underwriter's Laboratories, Inc® recognized Std 94 V-0, 5V. It has thermoforming cycle times equivalent to FR-ABS.

Suggested Applications

- * Equipment Housings
- * Exhibits & Displays
- * Miscellaneous Applications

Features

- * formulated to substitute for FR-ABS
- * very good impact resistance
- * easy to form with excellent part definition and deep-draw characteristics
- * similar forming times to FR-ABS
- * 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

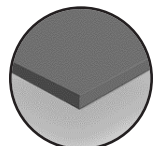
Customer Service

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Technical Service

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Durability by Design®



Physical Properties

Property	Test Method	Typical Value ¹	
Specific Gravity	ASTM D-792	1.35	
Tensile Strength	ASTM D-638	41 MPa	6,000 psi
Elongation %	ASTM D-638	100 MPa	100 psi
Flexural Strength	ASTM D-790	65.5 MPa	9,300 psi
Modulus of Elasticity	ASTM D-790	2,482 MPa	360,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	636 J/m	12 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	94	
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	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	
Flame Spread Index	ASTM E-162	< 35	
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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