

## 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 Underwriters Laboratories, Inc® recognized Std 94 V-0, 5V. It has thermoforming cycle times equivalent to FR-ABS.

### Suggested Applications

- Equipment Housings
- Exhibits and 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
- Recognized by Underwriters Laboratories, Inc® for Std 94 V-0, 5V
- Similar forming times to FR-ABS
- Available in 7 distinctive textures

### Environmental and Safety Considerations

KYDEX, LLC 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: <http://www.kydex.com>. For Material Safety Data Sheets, please call 800.325.3133.

#### KYDEX, LLC

ISO 9001 and 14001 Certified

#### Customer Service

6685 Low St, Bloomsburg, PA 17815 USA  
Phone: 800.325.3133, +1.570.389.5810  
Outside the US: +1.570.389.5814  
Fax: 800.452.0155, +1.570.387.7786  
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#### Technical Service

Phone: 800.682.8758 ext. 581  
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Outside the US: +1.570.387.6997 ext. 581

[www.kydex.com](http://www.kydex.com)



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### Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
Specific Gravity	ASTM D-792	1.35	
Tensile Strength	ASTM D-638	41 MPa	6,000 psi
Flexural Strength	ASTM D-790	65.5 MPa	9,300 psi
Modulus of Elasticity	ASTM D-790	2,480 MPa	360,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	427 J/m	8 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	94	
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	73.9°C	165°F
Flammability: Underwriters Laboratories, Inc. <sup>®</sup> Component Recognition	UL Standard 94 <sup>2</sup>	V-0, 5V <sup>3</sup>	
Mold Shrinkage % (male mold)		0.40 - 0.60	
<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified. <sup>2</sup> Underwriters Laboratories, Inc. <sup>®</sup> , File E115252 <sup>3</sup> All thicknesses 0.71mm (0.028") and above Not intended for specification purposes.			

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This information supersedes all previously published data.