



**KYDEX® V100**  
High impact fire-rated sheet

## Introduction

KYDEX® V100 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® V100 is Underwriter's Laboratories, Inc® recognized Std 94 V-0, 5V. It is only available in Black (52114).

## Suggested Applications

\* Equipment Housings

## Features

- \* offered in thicknesses 0.71mm (0.028") and up
- \* available in rollstock at 1.00mm (0.040") and in sheet stock in all thicknesses
- \* available in black only
- \* available in limited textures
- \* excellent forming properties, uniform wall thicknesses 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

## 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](http://www.kydex.com). For Material Safety Data Sheets, please call 800.325.3133.

### **Kleerdex Company, LLC**

ISO 9001 and ISO 14001 Certified

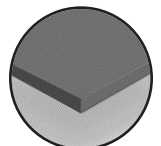
#### Customer Service

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  
Email: [info@kleerdex.com](mailto:info@kleerdex.com)

#### Technical Service

Phone: 800.682.8758 ext. 581  
Fax: +1.570.387.8722  
Outside the US: +1.570.387.6997 ext.581

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



*Durability by Design®*



## Physical Properties

Property	Test Method	Typical Value <sup>1</sup>	
Specific Gravity	ASTM D-792	1.35	
Tensile Strength	ASTM D-638	42 MPa	6,100 psi
Flexural Strength	ASTM D-790	63 MPa	9,100 psi
Modulus of Elasticity	ASTM D-790	2,068 MPa	300,000 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	88	
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	78°C	172°F
Flammability: Underwriter's Laboratories, Inc® Component Recognition	UL Standard 94 <sup>2</sup>	V-0, 5V <sup>3</sup>	
Thermoforming Range		163 - 200°C	325 - 392°F
Mold Shrinkage %		0.40 - 0.60	
BS 476 Part 7		Class 1 2.40mm (0.093")	
<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified. <sup>2</sup> Underwriter's Laboratories, Inc®, File E115252 <sup>3</sup> All thicknesses 0.71mm (0.028") and above 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 or 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.

### Kleerdex Company, LLC

ISO 9001 and ISO 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  
 Email: info@kleerdex.com

#### Technical Service

Phone: 800.682.8758 ext. 581  
 Fax: +1.570.387.8722  
 Outside the US: +1.570.387.6997 ext.581