



## KYDEX<sup>®</sup> 154

Decorative capped sheet

### Introduction

Decorative KYDEX<sup>®</sup> 154 thermoplastic sheet, available in many standard and custom designs, offers a unique look for thermoformed parts.

### General Information

This durable material brings new dimensions to thermoformers in: formability, rigidity, breakage resistance, chemical resistance and fire retardance. It is Underwriter's Laboratories, Inc<sup>®</sup> recognized for UL Std 94 V-0, 5V and has 953 J/m (18 ft-lb/in) Notched Izod impact resistance.

### Suggested Applications

- \* Aircraft Interiors
- \* Exhibits & Displays
- \* Store Fixture Components
- \* Kiosk Housings
- \* Contract Furniture Components
- \* Miscellaneous Applications

### Features

- \* available in many standard designs and custom designs (samples available upon request)
- \* more rigid than most thermoplastics so parts will deform less when loaded
- \* unsurpassed resistance to breakage
- \* passed UL Std 94 V-0, 5V in all thicknesses and colors
- \* 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

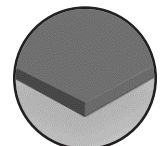
#### Customer Service

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<sup>®</sup>



## KYDEX® 154

Decorative capped sheet

### 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
Elongation %	ASTM D-638	160	
Flexural Strength	ASTM D-790	64 MPa	9,100 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
Rockwell Hardness (R Scale)	ASTM D-785	94	
Coefficient of Linear Thermal Expansion	ASTM D-696	7.56 x 10 <sup>-5</sup> °C	4.2 x 10 <sup>-5</sup> °F
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed	ASTM D-648	78°C	173°F
Flammability: Underwriter's Laboratory, Inc® Component Recognition	UL Standard 94 <sup>2</sup>	V-0, 5V <sup>5</sup> <i>Pending</i>	
Motor Vehicle Safety Standard	MVSS 302	Pass	
Federal Aviation Administration	FAR 25.853 (a)	Pass <sup>3</sup>	
<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 of 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