KYDEX® V103

Recycled 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 & SAFETY CONSIDERATIONS

SEKISUI 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.

Customer Collaboration
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KYDEX THERMOPLASTICS

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PROPERTY	TEST METHOD	TYPICAL VALUE[1]	
PHYSICAL			
Specific Gravity	ASTM D792	1.35	
Rockwell Hardness, R-scale	ASTM D785	94	
MECHANICAL			
Tensile Strength	ASTM D638	41 MPa	6,000 psi
Flexural Strength	ASTM D790	65.5 MPa	9,300 psi
Flexural Modulus	ASTM D790	2,480 MPa	360,000 psi
Izod Impact, notched	ASTM D256	427 J/m	8 ft-lb_f/in
THERMAL			
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D648	73.9ºC	165ºF
FLAMMABILITY			
Underwriters Laboratories, Inc.® Component Recognition	UL Standard 94[2]	V-0,5V	
THERMOFORMING			
Temperature Range		163 - 200°C	325 - 392°F
Mold Shrinkage - male mold		0.40 - 0.60%	

1 Values based upon 3.18mm (0.125") sheet unless otherwise specified.
2 Underwriters Laboratories, Inc.®, File Number E115252
3 All thicknesses 0.71mm (0.028") and above
Not intended for specification purposes.

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