



Technical Data Sheet



KYDEX® 160

Class I/A rated thermoplastic sheet

Introduction

KYDEX® 160 thermoplastic sheet is used for laminating and thermoforming applications requiring a Class I/A rating.

General Information

Unlike many other thermoplastics KYDEX® 160 is less hygroscopic and frequently does not require pre-drying. It meets Class I/A building code ratings up to 3.18mm (0.125") and is UL listed up to 2.03mm (0.080").

Suggested Applications

- Clean Room Walls and Ceilings
- Protective Wall Covering Systems
- Miscellaneous Applications

Features

- Available in six thicknesses from 0.71 mm (0.028") to 3.18mm (0.125"), nine textures, a variety of colours, custom colour matching, custom blank sizes, and low minimums
- More resistant to a wider range of concentrated chemicals, allowing the use of stronger cleaning agents with no discolouration or surface damage
- Good formability and extensibility
- Easy to work with once formed
- Not available for field applied wallcovering applications. Contact KYDEX Customer Service with your requirements.

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.



ISO 9001:2000 | ISO 14001:2004 Certified

Customer Service

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KYDEX
THERMOPLASTIC SHEET

Durability By Design®

Physical Properties

Property	Test Method	Typical Value ^e	
Specific Gravity	ASTM D-792	1.35 - 1.45	
Tensile Strength	ASTM D-638	40 MPa	5,800 psi
Flexural Strength	ASTM D-790	72 MPa	10,500 psi
Modulus of Elasticity	ASTM D-790	2,551 MPa	370,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	107 - 214 J/m	2 - 4 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	97	
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) annealed	ASTM D-648	71.1°C	160°F
Flammability: ² Flame Spread Smoke Developed	ASTM E-84 less than 1.50mm (0.060")	20	175
Flame Spread Smoke Developed	ASTM E-84 less than 2.03mm (0.080")	20	250
Flame Spread Smoke Developed ³	ASTM E-84 less than 3.18mm (0.125")	15	400

¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified.

² Underwriter's Laboratories, Inc³, File R6738

³ Independent Laboratory Testing

Not intended for specification purposes.

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This information supersedes all previously published data.

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