



## Technical Data Sheet



### KYDEX® 150 Class I/A rated thermoplastic sheet

#### Introduction

KYDEX® 150 is a proprietary thermoplastic alloy sheet that is used for laminating and thermoforming applications requiring a Class I/A building code.

#### General Information

The Class I/A building code is rated up to and including 1.52mm (0.060") and Class II/B building codes up to and including 2.36mm (0.093") and is Underwriter's Laboratories, Inc® listed.

#### Suggested Applications

- Protective Wall Covering Systems
- Miscellaneous Applications

#### Features

- Good formability and extensibility
- Easy to work with once formed
- Available in standard thicknesses from 0.71mm (0.028") to 2.36mm (0.093"), various textures, over 3,500 colours, custom blank sizes.
- Stronger cleaning agents can be used with no discoloration or damage to surface material
- More resistant to a wider range of concentrated chemicals
- Not available for field applied wallcovering applications. Please 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

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## Technical Data Sheet



**KYDEX® 150**  
Class1/A rated thermoplastic 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
Flexural Strength	ASTM D-790	64 MPa	9,300 psi
Modulus of Elasticity	ASTM D-790	2,310 MPa	335,000 psi
Notched Izod Impact Resistance, @ 23°C (73°F)	ASTM D-256	961 J/m	18 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	94	
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	78.3°C	173°F
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) unannealed	ASTM D-648	68.8°C	156°F
Flammability: <sup>2</sup> Flame Spread Smoke Developed less than 1.27mm (0.050")	ASTM E-84	25	40
Flame Spread Smoke Developed less than 1.52mm (0.060")	ASTM E-84	20	350
Flame Spread Smoke Developed less than 2.38mm (0.93")	ASTM E-84	35	350 - 450

<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified.  
<sup>2</sup> Underwriter's Laboratories, Inc., File R6738 (N)  
 Not intended for specification purposes.



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This information supersedes all previously published data.

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