

## KYDEX® 150 MB

Class 1/A rated thermoplastic sheet with antimicrobial protection

### INTRODUCTION

KYDEX® 150 MB is a proprietary thermoplastic sheet that is used for wall protection, laminating and thermoforming applications requiring a Class 1/A building code. Antimicrobial protection is built-in to continuously fight the growth of microbes.

### GENERAL INFORMATION

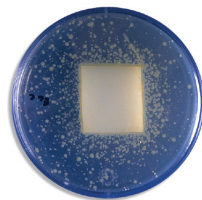
The Class 1/A building code is rated up to and including 1.52 (0.060") and Class II/B building codes up to and including 2.36 (0.093") and is Underwriter's Laboratories, Inc.® listed.

### SUGGESTED APPLICATIONS

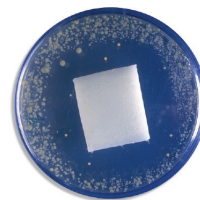
- Protective Wall Covering Systems
- Miscellaneous Applications
- Pre-laminated Panel Systems
- Acoustical Partitions

### 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"), eight textures, a variety of colors, custom color matching and custom blank sizes.
- Stronger cleaning agents can be used with discoloration or damage to surface material
- More resistance to a wider range of concentrated chemicals
- Not available for field applied wall covering applications. Please contact SEKISUI SPI Customer Service with your requirements.
- Antimicrobial protection inhibits the growth of bacteria that can cause stains, odors and product deterioration.
- Antimicrobial protection is built-in to the sheet so it won't wash or wear away and lasts for the lifetime of the product/sheet.
- Antimicrobial protection keeps the surface cleaner between cleanings.



Without antimicrobial protection



With antimicrobial protection

*This information is based upon standard laboratory tests and is provided for comparative purposes to substantiate antimicrobial activity for non-public health applications. Antimicrobial protection inhibits the growth of microorganisms that can cause stains, odors and product degradation.*

### 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

6685 Low St, Bloomsburg, PA 17815 USA

Phone: 800.325.3133, +1.570.389.5810

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

#### appLab™

Phone: 800.682.8758

Email: [applab@kydex.com](mailto:applab@kydex.com)

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

## KYDEX® 150 MB

Class 1/A rated thermoplastic sheet with antimicrobial protection

PROPERTY	TEST METHOD	TYPICAL VALUE <sup>1</sup>	
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	1.35	
Rockwell Hardness, R-scale	ASTM D785	94	
<b>MECHANICAL</b>			
Tensile Strength	ASTM D638	42 MPa	6,100 psi
Flexural Strength	ASTM D790	64 MPa	9,300 psi
Flexural Modulus	ASTM D790	2,310 MPa	335,000 psi
Izod Impact, notched	ASTM D256	961 J/m	18 ft-lb <sub>f</sub> /in
Shear Strength	ASTM D732	54 MPa	7,860 psi
<b>THERMAL</b>			
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D648	78.3°C	173°F
<b>ELECTRICAL</b>			
Dielectric Strength, oil	ASTM D149	17.1 kV/mm	435 V/mil
<b>FLAMMABILITY</b>			
Steiner Tunnel Flame Spread/Smoke Developed	ASTM E84	Class 1/A (thicknesses 1.52mm (0.060") and less)	
<sup>1</sup> Values based upon 3.18mm (0.125") sheet unless otherwise specified. Not intended for specification purposes.			
NOTE: This information is based upon standard laboratory tests and is provided for comparative purposes to substantiate antimicrobial activity for non-public health applications. Antimicrobial protection is not designed to protect users from disease causing microorganisms. Antimicrobial protection inhibits the growth of microorganisms that cause stains, odors, and product degradation. Antimicrobial action limited to product surface.			



**Customer Collaboration**  
 6685 Low St, Bloomsburg, PA 17815 USA  
 Phone: 800.325.3133, +1.570.389.5810  
 Email: info@kydex.com

**appLab™**  
 Phone: 800.682.8758  
 Email: applab@kydex.com

kydex.com

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 product. Product not intended for use as a heat resistant surface. Texture, product grade and other conditions may cause variations in appearance.