

KYDEX[®] 150 MB

Class I/A rated thermoplastic sheet with Microban[®] Antimicrobial Product Protection

Introduction

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

General Information

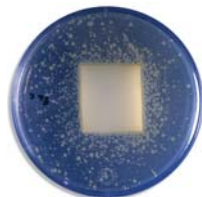
The Class I/A building code is rated up to and including 1.52mm (0.060") and Class II/B building codes up to and including 2.36mm (0.093") and is Underwriter's Laboratories, Inc[®] listed.

Suggested Applications

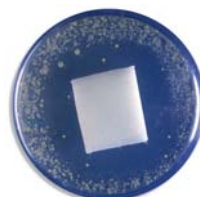
- Protective wall covering systems
- Miscellaneous applications
- Pre-laminated Panel Systems
- Acoustical partitions

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"), a variety of textures and colours with custom colour matching and 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 wall covering applications. Please contact KYDEX Customer Service with your requirements
- Microban[®] antimicrobial technology inhibits the growth of bacteria that can cause stains, odors and product deterioration.
- Microban[®] technology is built-in to the sheet so it won't wash or wear away and lasts for the lifetime of the product/sheet.
- Microban[®] technology keeps the surface cleaner between cleanings.



Without Microban[®] antimicrobial product protection¹



With Microban[®] antimicrobial product protection²

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

KYDEX[®]

ISO 9001:2000 | ISO 14001:2004 Certified

Customer Service

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www.kydex.com



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Environmental and Safety Considerations

Physical Properties

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.

| Property | Test Method | Typical Value ¹ | |
|--|-------------|----------------------------|--------------|
| 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 |
| Flame Spread Smoke Developed less than 1.52mm (0.060") | ASTM E-84 | Pending | |
| ¹ Values based upon 3.18mm (0.125") sheet unless otherwise specified. ² Underwriter's Laboratories, Inc [®] , File R6738 (N) Not intended for specification purposes. | | | |

*This information is based upon standard laboratory tests and is provided for comparative purposes to substantiate antimicrobial activity for non-public health applications. Microban technology is not designed to protect users from disease causing microorganisms. Microban protection inhibits the growth of microorganisms that cause stains, odors, and product degradation. Antimicrobial action limited to product surface.



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This information supersedes all previously published data.