

## KYDEX® FST

Fully compliant aviation sheet

### Introduction

KYDEX® FST is a proprietary, high performance thermoplastic sheet specifically formulated to meet all Boeing and Airbus toxicity requirements for aircraft interior components.

### General Information

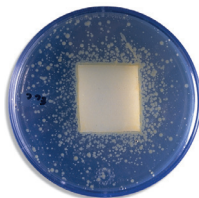
KYDEX® FST meets all fire, smoke and heat release requirements set forth in Federal Aviation Regulations 25.853 paragraphs (a) and (d) as well as toxicity requirements for ABD0031, BSS7239 and D6-51377. Its excellent properties make it the ideal material to form 2 and 3-dimensional aircraft components.

### Suggested Applications

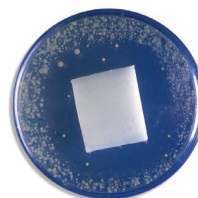
- Seat parts
- Armrests
- Bulkhead laminates
- Window shades
- Life vest shrouds
- Moulding strips
- Passenger service units
- Tray tables
- Monitor shrouds
- Kick panels

### Features

- Meets the toxicity requirements of ABD0031, BSS7239 and D6-5137
- 6-8 week lead time
- Available in thicknesses from 1.52mm to 4.75mm (0.060" to 0.187")
- Available in 121.92cm (48") width
- Available in lengths from 60.96cm to 243.84cm(24" to 96")
- Available in PS - Santex texture



Without Microban® antimicrobial product protection<sup>1</sup>



With Microban® antimicrobial product protection<sup>1</sup>

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, LLC

ISO 9001 and 14001 Certified

#### Customer Service

6685 Low St, Bloomsburg, PA 17815 USA  
Phone: 800.325.3133, +1.570.389.5810  
Outside the US: +1.570.389.5814  
Fax: 800.452.0155, +1.570.387.7786  
Email: info@kydex.com

#### Technical Service

Phone: 800.682.8758 ext. 581  
Fax: +1.570.387.8722  
Outside the US: +1.570.387.6997 ext. 581

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



## KYDEX® FST

Fully compliant aviation sheet

### 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	
Specific Gravity	ASTM D-792	1.34	
Tensile Strength	ASTM D-638	74 MPa	10,400 psi
Flexural Strength	ASTM D-790	107 MPa	16,600 psi
Modulus of Elasticity	ASTM D-790	2,320 MPa	362,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	125	
Heat Deflection Temperature (HDT) @ 1.8 MPa (264 psi) unannealed	ASTM D-648	120.5°C	249°F
Smoke Toxicity	ABD0031 BSS7239 D6-51377	Pass Pass Pass	
Federal Aviation Administration	FAR 25.853 (a)	Pass	
Federal Aviation Administration	FAR 25.853 (d) (a) Smoke Generation (b) Rate of Heat Release	(a) Pass (b) < 65 / 65	
Microban® antimicrobial protection is built-in to the top layer of extruded sheet only. Not intended for specification purposes. These property values have been derived from injection molded Lexan® resin data for the material used to produce this sheet product. Variations within normal tolerances are possible for various colours.			

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.

*Note: Pre-drying of KYDEX® FST is required prior to thermoforming in order to remove moisture from the sheet.*

#### KYDEX, LLC

ISO 9001 and 14001 Certified

#### Customer Service

6685 Low St, Bloomsburg, PA 17815 USA  
 Phone: 800.325.3133, +1.570.389.5810  
 Outside the US: +1.570.389.5814  
 Fax: 800.452.0155, +1.570.387.7786  
 Email: [info@kydex.com](mailto:info@kydex.com)

#### Technical Service

Phone: 800.682.8758 ext. 581  
 Fax: +1.570.387.8722  
 Outside the US: +1.570.387.6997 ext. 581

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

This information supersedes all previously published data.