

General Information about KYDEX® Thermoplastic Sheet

For information applicable to KYDEX® FST please refer to 300 series technical briefs.

TB - 100-A

Introduction

The KYDEX® sheet name is a trademark of the KYDEX, LLC for our proprietary thermoplastic. Each grade is customized to be suited for your particular application or performance need. KYDEX® sheet is manufactured by KYDEX under an ISO 9001 certified quality system and has been satisfying customer needs for over 30 years.

KYDEX® sheet is high quality and specialty in nature. They typically should be considered for applications requiring any or all of the following benefits:

- Fire Retardancy
- High Impact Resistance
- Rigidity
- Superior Chemical Resistance
- Thermoformability

General Information

KYDEX® sheet is typically not a cost-effective substitute for cheaper thermoplastics such as polyethylene, styrene, or cheap ABS, unless those materials are not performing satisfactorily. KYDEX® sheet can be very competitive and effective as an alternative to painted metal, fire-retardant ABS, Noryl®, Lexan® (polycarbonate), etc.

KYDEX® sheet complies with Underwriter's Laboratory, CSA, Building Code and/or FAA flammability requirements. Because of the high impact resistance of KYDEX® sheet, it has a longer service life and is very durable. The rigidity allows for better feel and/or the ability to downgauge. Its superior chemical resistance allows it to be used in harsh, chemically rich environments. It also makes KYDEX® sheet extremely cleanable because harsh cleaners do not damage the texture or the colour of the material. KYDEX® sheet had excellent thermoforming properties that result in uniform wall thickness and crisp detail.

There are a complete range of grades, colours, sheet sizes and textures available to meet the most demanding applications. To choose the grade of KYDEX® sheet that will work best for you, ask yourself a few questions:

1. What are you making?
2. What product are you using now?
3. What specifications or regulatory compliance must you meet?
4. What are your physical and visual performance requirements – how is the product being used?
5. What is your economic situation?

With this information, a KYDEX salesperson can help you choose the grade that is right for your application. For more information contact KYDEX Technical Service at 800.682.8758 or by email at info@kydex.com.

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
Fax: +1.570.387.8722
Outside the US: +1.570.387.6997
Email: techservice@kydex.com

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.