

General Information about KYDEX® Thermoplastic Sheet

For information applicable to KYDEX® FST2 please refer to 300 series technical briefs.

TB - 100-A

Introduction

The KYDEX® sheet name is a trademark of the SEKISUI SPI for our proprietary thermoplastic. Each grade is customized to be suited for your particular application or performance need. KYDEX® sheet is manufactured by SEKISUI SPI 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 SEKISUI SPI salesperson can help you choose the grade that is right for your application. For more information contact SEKISUI SPI Technical Service at 800.682.8758 or by email at info@sekisui-spi.com.

SEKISUI SPI
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@sekisui-spi.com

Technical Service
Phone: 800.682.8758
Fax: +1.570.387.8722
Outside the US: +1.570.387.6997
techservice@sekisui-spi.com

sekisui-spi.com

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