

Mechanically Fastening KYDEX® Thermoplastic Sheet

TB - 151-A

General Information

If solvent bonding or hot gas welding is not feasible for your specific application, KYDEX® sheet can also be mechanically fastened. Some guidelines are listed below.

Where rigid fasteners are used, consideration must be given to the thermal expansion differential between KYDEX® sheet and any other material to which it will be joined. To allow for this differential, oversized holes by 1.50mm (0.063") in diameter should be drilled into the KYDEX® sheet. Failure to allow for thermal expansion differentials may result in objectionable buckling during temperature changes.

Where mechanically fastened KYDEX® sheet assemblies are to be subjected to high stress, the use of nylon or rubber washers or large headed fasteners are recommended to prevent the fastener heads from pulling through the KYDEX® sheet. Also, keep in mind that high tension should not be used when riveting KYDEX® sheet.

Other options for fastening include the use of foam tapes, adhesives, or Velcro hook & loop fasteners.

Coefficient of Linear Thermal Expansion:

KYDEX® 6200: 7.9×10^{-5} cm/cm/°C (4.4×10^{-5} in/in/°F)

KYDEX® T: 6.9×10^{-5} cm/cm/°C (3.83×10^{-5} in/in/°F)

KYDEX® 100: 7.56×10^{-5} cm/cm/°C (4.2×10^{-5} in/in/°F)

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

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.