KYDEX THERMOPLASTICS

# 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 x $10^{-5}$ cm/cm/°C (4.4 x $10^{-5}$ in/in/°F)
KYDEX® T: 6.9 x $10^{-5}$ cm/cm/°C (3.83 x $10^{-5}$ in/in/°F )
KYDEX® 100: 7.56 x $10^{-5}$ cm/cm/°C (4.2 x $10^{-5}$ in/in/°F)

**SEKISUI SPI**
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