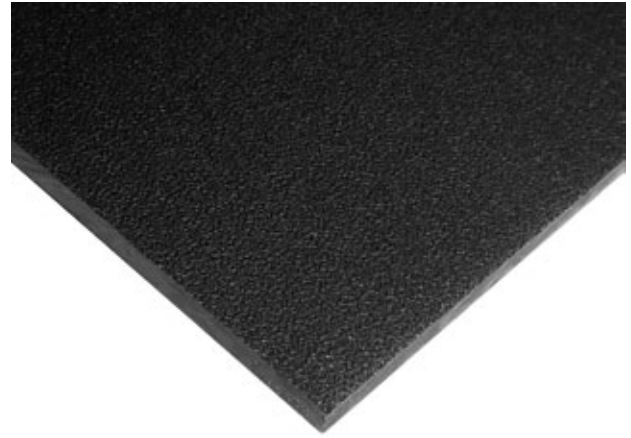


# Kydex

## Acrylic-Polyvinyl Chloride

Available in a variety of colors



### Kydex Overview

Superior formability, fabrication and tooling quality makes Kydex® the best choice for countless projects. Using standard tools, Kydex® sheets can be drilled, brake formed or punch pressed. Kydex can reduce the number of individual parts needed in many applications, thereby reducing assembly costs. Kydex applications range from aviation and transit interiors, medical equipment and building interiors to furniture and fixtures. Kydex can be used as protection from electrical shock and has multiple equipment housing applications for tools such as electrical welders that require durability and high impact strength. No other thermoplastic sheet stands up to impact, scratches, and gouging like Kydex®.

### Kydex Applications

- Gun holsters and knife sheaths
- Thermoformed equipment housings
- Flat laminated panels of all types
- Kickplates and pushplates
- Exhibits and kiosks
- Aircraft, bus, automotive, and train interior parts
- Membrane pressed components
- Work stations
- Pedestals and stands
- Furniture components

### Kydex Features

No other thermoplastic sheet stands up to impact, scratches, and gouging like Kydex®. Kydex® is very easy to clean: tough stains, scuffs, and graffiti can be gotten rid of using strong cleaners with no staining or surface damage to the material. Kydex® sheets are also available with fire ratings of ul94v-o and 5v. Kydex® is used by the orthopedic industry for braces.

- Excellent strength & stiffness
- No special tools required
- Easily thermoformable
- Leather substitute

### Kydex Specifications

Tensile Strength	6100 PSI (ASTM D-638)
Flexural Modulus	335,000 PSI (ASTM D-790)
Impact Strength, Notched Izod	18 Ft-lbs/Inch (ASTM D-256)
Deflection Temperature (264 PSI)	173F (ASTM D648)
Water Absorption (Over 24 Hours)	0.05% (ASTM D-570)
Maximum Service Temperature	150F - 190F

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