

Applications

- Cleanroom walls, ceilings
- Exhibits, displays
- Food equipment components
- Signage
- Store fixture components
- Medical equipment housing
- Aircraft, transportation interior components

Advantages

- Outstanding impact resistance
- High dimensional stability; excellent rigidity
- Excellent chemical resistance
- Good weatherability

Kydex® Acrylic/PVC Kydex® PMMA/PVC [Polymethyl Methacrylate/Polyvinyl Chloride]

Kydex® is an acrylic-polyvinyl chloride alloy produced by Kleerdex that combines the advantageous properties of both the acrylic and the polyvinyl chloride components.

From acrylic, this thermoplastic acrylic-polyvinyl chloride alloy obtains superior rigidity and formability; from PVC, its outstanding toughness, chemical resistance, and good interior finish ratings. This combination of strength properties places Kydex® at the highest level among thermoforming materials. In addition to a high degree of toughness and resilience, parts formed of Kydex® will deform less when loaded. This is of particular importance in deep formed parts with thin wall sections. Kydex® sheet can be very competitive and effective as an alternative to materials such as painted metal, fire-retardant ABS, Noryl®, and Lexan® (polycarbonate).

Kydex®'s diversity of mechanical and electrical properties, fire ratings, textures, thicknesses, colors and patterns are encompassed by more than 29 standard and custom sheet formulations to meet diverse and demanding end-use applications. It is offered in a 36 standard colors of various thicknesses and surface textures, granite patterns, realistic wood grains, and metallics.

The following are some of the formulations available for Kydex®. Please contact an Emco Industrial Plastics representative to help you choose the correct material to meet your application needs.

Availability

TYPE	SIZE	LENGTH	COLOR
Sheet	0.022" - 0.5" TH	Up to 48"W x 96"L; CTS	36 standard colors

Give us your cut-to-size dimensions. We will precision-cut these plastics to your exact size. Additional sizes and colors available upon request.