



## Kleerdex Company

## KYDEX® 120 USDAAPPROVED THERMOPLASTIC SHEET

For wallcovering and food preparation areas; USDA approved for incidental food contact.

### GENERAL INFORMATION

Kydex 120 acrylic/PVC sheet is approved by the United States Department of Agriculture (USDA) for use in meat and poultry producing plants where there might be incidental food contact with the Kydex 120 sheet. This high performance thermoplastic sheet is available in gauges from 0.028" (.71mm) and up, in standard and custom gauges, and in white or beige colors.

### SUGGESTED END-USES

- High Impact Resistant Wallcovering
- Push Plates and Kick Plates
- Equipment Housings
- Splash and Safety Guards

### FEATURES

**FIRE RETARDANCY** - Kydex 120 meets class I/A fire codes up to 0.050" (1.27mm) gauge when used as a protective wallcoverings and meets UL Standard 94 V-0/5V fire ratings in all thicknesses, the highest listing for flame retardant plastic components.

**DURABILITY** - Tough, impact and scratch resistant, Kydex 120 will provide years of service, when formed into plastic components or used as a wallcovering.

**CLEANABILITY** - In food processing environments where cleanliness is essential, Kydex 120 is more resistant to a wider range of cleaners than other thermoplastics. It also resists staining from foodstuffs.

### FABRICATION

Excellent forming properties result in uniform wall thicknesses and crisp detail, plus easy machining and fabricating using conventional methods, further expanding finished part possibilities.

PROPERTY	TEST METHOD	TYPICAL VALUE <sup>1</sup>
Specific Gravity	ASTM D-792	1.35
Tensile Strength, psi	ASTM D-638	6,100 (42)
Elongation at Break, %		160
Flexural Strength, psi (MPa)	ASTM D-790	9,300 (64)
Modulus of Elasticity, psi (MPa)		335,000 (2310)
Rockwell Hardness, R	ASTM D-785	94
Notched Izod Impact Resistance, 73°F (23°C), ft-lbs/in (J/m)	ASTM D-256	18 (953)
Taber Abrasion Resistance	ASTM D-1044	.038%
Heat Deflection Temperature, HDT, @264psi (1.8MPa), annealed, °F (°C)	ASTM D-648	173° (78°)
Flammability <sup>2</sup> Underwriter's Lab.	UL Standard 94	V-0, 5V
Forming Temperature		325° - 390°F (162° - 200°C)

<sup>1</sup>All values based on 0.125" (3.12mm) sheet unless otherwise specified.

<sup>2</sup>All gauges from 0.028" (.71mm) and greater. Not intended for specification purposes.