



Kleerdex Company

KYDEX® 100 AS ANTI-STATIC SHEET

Offering superior performance in an anti-static sheet.

GENERAL INFORMATION

Proprietary Kydex 100AS acrylic/PVC alloy sheet brings new dimensions to anti-static protective materials in: formability, rigidity, breakage resistance, and chemical resistance. This sheet is available in standard and custom gauges from .028" (.77mm) and up, in many distinctive textures and hundreds of colors. Unlike other anti-static thermoplastic sheets, Kydex 100AS retains its anti-static properties even after thermoforming. It has a surface resistivity of 109 to 1012 Ohms/square.

SUGGESTED END-USES

- Housings for equipment such as photocopy machines, instrument panels, computers,
- Internal parts for electrical and electronic equipment.
- Medical equipments parts.
- Carrying trays, carts, and trolleys for sensitive electrical components.

FEATURES

ANTI-STATIC PROPERTIES - Unlike other anti-static thermoplastic sheets, Kydex 100AS retains its anti-static properties even after thermoforming. Also it is available in a multitude of colors.

SUPERIOR FORMABILITY - For deep or hard to form parts or where good finished detail is required, Kydex 100AS is unsurpassed.

BREAKAGE RESISTANCE - With notched izod impact resistance of 12 ft-lbs/in (641 J/m), Kydex 100AS offers superior resistance to breakage.

CHEMICAL RESISTANCE - Kydex meets the highest standard for chemical resistance for thermoplastic materials.

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 ¹
Specific Gravity	ASTM D-792	1.33-1.37
Tensile Strength, psi (MPa)	ASTM D-638	5000-6000 (35-41)
Flexural Modulus, psi (MPa)	ASTM D-790	9000-10000 (62-69)
Modulus of Elasticity, psi (MPa)		320K-340K (2206-2344)
Notched Izod Impact Resistance, 73°F (23°C), ft-lbs/in (J/m)	ASTM D-256	12 (641)
Heat Deflection Temperature, HDT, @264psi (1.8 MPa), annealed, °F (°C)	ASTM D-648	153° (67°C)
Surface Resistivity, Ohms/square	ASTM D-257	10 ⁹ to 10 ¹²
Flammability Resistance: Independant Test Lab	UL Standard 94	V-0
Forming Temperature		325° - 390°F (163-200°C)

¹All values based on 0.125" (3.12mm) sheet unless otherwise specified.
Not intended for specification purposes.