MODERN plastics
"Setting the Standards in Plastics Distribution"™
ISO 9001:2000 Certified
678 Howard Ave.
Bridgeport, CT 06605
National Toll Free: 800.243.9696

KYDEX ®

100AS

ANTI-STAT SHEET

Offering superior impact resistance and flame resistance in an anti-static sheet.

General Information

KYDEX 100AS, a proprietary 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" (.71mm) 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.

Features

Anti-Static Propertries: 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 a high notched Izod Impact resistance, KYDEX 100 AS offers superior resistance to breakage.

Chemical Resistance: KYDEX meets the highest standard for chemical resistance

Thermoformability: Excellent forming properties results in uniform wall thicknesses and crisp detail, plush easy machining and fabricating using conventional methods, further expanding finished part possibilities.

RIPH: KYDEX is endorsed by the Royal Institute of Public Health for conformance to the standard of Hygienic Merit

Property	Test Method	Typical Value [1]
Specific Gravity	ASTM D-792	1.33
Tensile Strength	ASTM D-638	5780 psi (35-41 MPa)
Flexural Modulus	ASTM D-790	9,780 psi (62-69 MPa)
Modulus of Elasticity	ASTM D-790	347,000 psi (2206-2344 MPa)
Notched Izod Impact Resistance @ 73° F (23° C)	ASTM D-256	16 ft-lbs/in (846 J/m)
Surface Resistivity, Ohms/square	ASTM D-257	10^{9} -10^{12}
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	167° F (67.2° C)
Flammability: Underwriter's Lab. Component Recognition	UL Standard 94 [2]	V-0 > 0.038" (1 mm)
Forming Temperature		325-390° F (163-200° C)

[1]All Values are based upon 0.125" (3.12 mm) sheet unless otherwise specified.
[2]Underwriter's Laboratories Inc., File E115252
Not intended for specification purposes.

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