datasheet

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 10^9 to 10^{12} Ohms/square.

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 a high notched Izod Impact resistance, KYDEX 100AS 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) @264psi(1.8MPa) annealed	ASTM D-648	167°F 67.2°C
Flammability: Underwriter's Lab. Component Recognition	UL Standard 94[2]	V-0 >0.038" (1mm)
Forming Temperature		325-390 °F *163 - 200°C*

[1]All values based upon .125"(3.17mm) sheet unless otherwise specified.
[2]Underwriter's Laboratories Inc., File E115252
Not intended for specification purposes.

Kleerdex Company Customer Service
Aiken, SC 29802
800-325-3133 or 803-642-6864
FAX: 803-642-6867 or 800-452-0155
www.kydex.com

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