



"Setting the Standards in Plastics Distribution"™

ISO 9001:2000 Certified

678 Howard Ave.
Bridgeport, CT 06605
National Toll Free: 800.243.9696

KYDEX ®

100

HIGH IMPACT FIRE-RATED SHEET

General Information

Super tough, durable KYDEX 100, a proprietary alloy sheet, brings new dimensions to thermoformers in: formability, rigidity, breakage resistance, chemical resistance and fire retardancy. This high performance thermoplastic sheet is available in a wide range of standard and customer colors, textures, and sheet sizes. It is Underwriters Laboratories, Inc.® recognized for UL Std 94 V-0/5V and UL 746C and has 18 ft-lbs./in (961 J/m) Notched Izod impact resistance.

Features

Superior Formability: For deep or hard to form parts or where good finished detail is required. KYDEX 100 is unsurpassed.

Rigidity: KYDEX 100 is more rigid than most other thermoplastics resulting in parts that will deform less when loaded.

Breakage Resistance: With a high Notched Izod impact resistance, KYDEX 100 offers unsurpassed resistance to breakage.

Chemical Resistance: KYDEX 100 meets the highest standard for chemical resistance for thermoplastic materials.

Fire Retardance: KYDEX is recognized by Underwriter's Laboratories, Inc.® for Standard 94 V-0 and 5V and UL 746C in all gauges and colors.

Thermoformability: Excellent forming properties and crisp detail, plus easy machining and fabricating using conventional methods, further expanding finished part possibilities.

Electrical Properties: KYDEX 100 exhibits a Dielectric Strength of 565 V/mil and a Dielectric Constant of 3.13 @1000 Hz, 2.78 @1 MHz, 2.46 @800MHz, 2.42 @1.9 GHz, 2.67 @ 5GHz, and 2.7 @20 GHz.

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

Offering superior performance in formability, rigidity, impact resistance, fire retardance, and chemical resistance.

Table with 3 columns: Property, Test Method, Typical Value. Rows include Specific Gravity, Tensile Strength, Elongation %, Flexural Strength, Modulus of Elasticity, Notched Izod Impact Resistance, Rockwell Hardness, Coefficient of Thermal Expansion, Heat Deflection Temperature, Flammability, Motor Vehicle Safety Standard, Federal Aviation Administration, BS 476 Part 7, EC 95/28/EG, and DIN 5510-2.

1 All Values are based upon 0.125" (3.12 mm) sheet unless otherwise specified.

2 Underwriter's Laboratories Inc., File E115252

3 All Gauges 0.028" (0.711 mm) and above.

Not intended for specification purposes.



"Setting the Standards in Plastics Distribution"™

ISO 9001:2000 Certified

678 Howard Ave.
Bridgeport, CT 06605
National Toll Free: 800.243.9696

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of the accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each product for their particular purposes. THE PRODUCTS DISCUSSED ARE SOLD WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EITHER EXPRESSED OR IMPLIED, EXCEPT AS PROVIDED IN OUR STANDARD TERMS AND CONDITIONS OF SALE, and buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. In no event shall the supplier or the manufacturer be liable for incidental or consequential damages. Also, statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Kydex is a registered trademark of Kierdex Company. ©2001 Kierdex Company.