



"Setting the Standards in Plastics Distribution"™

ISO 9001:2000 Certified

678 Howard Ave.

Bridgeport, CT 06605

National Toll Free: 800.243.9696

## KYDEX ®

### GND

#### CONDUCTIVE FIRE-RATED SHEET

##### General Information

KYDEX GND is a proprietary thermoplastic sheet that offers a surface resistance of 105 Ohms/square, while retaining the excellent forming properties of KYDEX. KYDEX GND offers more uniform forming with less wall thinning, greater detail, and significantly greater resistance to a broad range of corrosive chemicals and cleaning solutions. Based on independent lab testing, it meets the flammability requirements of UL® Standard 94 V-0 at .125" (3.175mm). KYDEX GND is available in black only.

##### Features

**Conductive Properties :** Unlike other conductive sheet grades, KYDEX GND retains its conductance even after forming.

**Superior Formability:** For deep or hard to form parts, KYDEX GND outperforms the competitive conductive sheet in thermoformability.

**Chemical Resistance:** KYDEX is very resistant to a broad range of chemicals, particularly to acids and bases.

**Rigidity:** KYDEX GND is very rigid, with a flexural modulus of 270,000psi (1868 MPa).

**Fire Rated:** KYDEX GND meets the requirements of UL Standard 94 V-0 at .125"(3.175mm).

**Thermoformability:** KYDEX GND is easy to form and retains its conductive properties after forming. Excellent forming properties result in uniform wall thicknesses and crisp detail, plus easy machining and fabricating using conventional methods and equipment.

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

Conductive fire resistant thermoplastic sheet for the electronics industry.

Property	Test Method	Typical Value <sup>1</sup>
Specific Gravity	ASTM D-792	1.25
Tensile Strength	ASTM D-638	4,800 psi (33 MPa)
Tensile Modulus	ASTM D-638	300,500 psi (2072 MPa)
Elongation %	ASTM D-638	106
Flexural Strength	ASTM D-790	9,100 psi (44 MPa)
Flexural Modulus	ASTM D-790	271,000 psi (1868 MPa)
Notched Izod Impact Resistance, @ 73° F (23 ° C)	ASTM D-256	2-3 ft-lbs/in (107-160 J/m)
Rockwell Hardness (R Scale)	ASTM D-785	82
Surface Resistivity, Ohms/sq.	ASTM D-257	10 <sup>5</sup>
Heat Deflection Temperature (HDT) @ 264 psi (1.8 MPa) annealed	ASTM D-648	162° F (72° C)
Flammability: Independent Laboratory Testing	UL Standard 94	V-0

<sup>1</sup>All Values are based upon 0.125" (3.175mm) sheet unless otherwise specified.

<sup>2</sup>All gauges .028" (0.71 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 Kleeerdex Company. ©2001 Kleeerdex Company.