

Kleerdex Kydex® GND Acrylic/PVC Thermoplastic Sheet (discontinued **)

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Vinyl (PVC) , PVC/Acrylic Alloy

Material Notes:

Conductive fire-rated sheet Applications: Electronic equipment where protection against electro-static damage is essential, conductive floor mats, IC containers like trays, storage bins, boxes, chip carriers, tray divider, internal electronic equipment or components requiring a UL 94 V-0 rating Features: Unlike other conductive sheet grades, Kydex GND retains its conductance even after forming. For deep or hard to form parts, Kydex GND outperforms the competitive conductive sheet in thermoformability. It is very resistant to a broad range of chemicals, particularly to acids and bases. Kydex GND is very rigid. It meets the requirements of UL Standard 94 V-0. Fabrication: Kydex GND is easy to form and retains its conductive properties after forming. Excellent forming properties result in uniform wall thickness and crisp detail, plus easy machining and fabricating using conventional methods and equipment. Data provided by the Kleerdex Company. Kleerdex Company became KYDEX, LLC in 2009.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kleerdex-Kydex-GND-AcrylicPVC-Thermoplastic-Sheet-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ASTM D785
Tensile Strength, Ultimate	33.0 MPa	4790 psi	ASTM D638
Elongation at Break	106 %	106 %	
Modulus of Elasticity	1.868 GPa	270.9 ksi	
Flexural Yield Strength	44.0 MPa	6380 psi	ASTM D790
Izod Impact, Notched	1.07 - 1.60 J/cm @Temperature 23.0 °C	2.00 - 3.00 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	72.0 °C	162 °F	annealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1e+05	1e+05	ASTM D257

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