

Kleerdex Kydex® 550 Acrylic/PVC Thermoplastic Sheet (discontinued **)

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

Material Notes:

Weatherable monolithic sheet Applications: Housings for equipment, recreational vehicles and truck parts, safety equipment, building products, signage Features: Kydex 550 offers the properties of "Kydex" in a weatherable formulation. It is highly impact resistant as measured by the notched Izod impact resistance test. It is fire retardant with a UL 94 V-0 rating as measured by an independent testing laboratory. It eliminates the problems often associated with capped sheet products. Fabrication: Excellent forming properties result in uniform wall thicknesses and crisp detail, plus easy machining and fabricating using conventional methods, further expanding finished part possibilities. 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-550-AcrylicPVC-Thermoplastic-Sheet-nspsdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.38 - 1.40 g/cc	0.0499 - 0.0506 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D785
Tensile Strength, Ultimate	42.0 MPa	6090 psi	ASTM D638
Elongation at Break	110 %	110 %	
Modulus of Elasticity	2.344 GPa	340.0 ksi	
Flexural Yield Strength	64.0 MPa	9280 psi	ASTM D790
Izod Impact, Notched	8.01 J/cm @Temperature 23.0 °C	15.0 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	annealed; ASTM D648
Flammability, UL94	V-0	V-0	Independent Test Lab

Processing Properties	Metric	English	Comments
Processing Temperature	162 - 200 °C	324 - 392 °F	Forming Temperature

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