

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

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

Material Notes:

Laminating grade fire rated sheet Applications: Store fixtures and displays, exhibits, service counters, doors, partitions Features: Toughness and durability, solid, integral color, chemical resistance, fire retardancy, excellent fabrication qualities, resistance to cracking and chipping, very low moisture absorption, thermoformability, flexibility, flexibility to allow small radius bends Fabrication: Kydex L can be thermoformed to produce 3 dimensional parts with excellent detail. It is easy to work and can be drilled, punched, brake formed, or routed using standard metal and/or woodworking equipment. Kydex L is not recommended for use on horizontal surfaces where hot items may be placed such as kitchen countertops and is not recommended for field application to walls as a wallcovering material. 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-L-AcrylicPVC-Thermoplastic-Sheet-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Water Absorption	0.070 %	0.070 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Ultimate	42.0 MPa	6090 psi	ASTM D638
Elongation at Break	110 %	110 %	
Modulus of Elasticity	2.482 GPa	360.0 ksi	
Flexural Yield Strength	66.0 MPa	9570 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
CTE, linear	69.0 µm/m-°C @Temperature 20.0 °C	38.3 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	75.5 °C	168 °F	annealed; ASTM D648
UL RTI, Electrical	50.0 °C @Thickness 0.700 - 3.00 mm	122 °F @Thickness 0.0276 - 0.118 in	
	50.0 °C	122 °F	

Thermal Properties	Metric	English	Comments
UL RTI, Mechanical with Impact	@ Thickness 0.700 - 3.00 mm	@ Thickness 0.0276 - 0.118 in	
UL RTI, Mechanical without Impact	50.0 °C @Thickness 0.700 - 3.00 mm	122 °F @Thickness 0.0276 - 0.118 in	
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Processing Temperature	163 - 200 °C	325 - 392 °F	Forming Temperature

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