

## Kleerdex Kydex® 160 Acrylic/PVC Thermoplastic Sheet (discontinued \*\*)

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

### Material Notes:

Class I/A rated thermoplastic sheet Applications: Interior ductwork and chutes, laboratory hoods, shower/tub shrouds, acoustical applications, decorative ceilings, abuse resistant surfacing for counters, exhibits, partitions, doors Features: Kydex 160 sheet is more resistant to a wider range of concentrated chemicals than any other thermoplastic. Its superior chemical resistance allows for excellent cleanability because stronger clearing agents can be used with no discoloration or surface damage to the material. Fabrication: Kydex 160 has good formability and extensibility and is extremely easy to work with once formed. 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-160-AcrylicPVC-Thermoplastic-Sheet-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Kleerdex-Kydex-160-AcrylicPVC-Thermoplastic-Sheet-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.35 - 1.45 g/cc	0.0488 - 0.0524 lb/in <sup>3</sup>	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	97	97	ASTM D785
Tensile Strength, Ultimate	40.0 MPa	5800 psi	ASTM D638
Elongation at Break	70 %	70 %	
Modulus of Elasticity	2.557 GPa	370.9 ksi	
Flexural Yield Strength	72.0 MPa	10400 psi	ASTM D790
Izod Impact, Notched	1.07 - 2.14 J/cm @Temperature 23.0 °C	2.00 - 4.01 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.0 °C	160 °F	annealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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