

## Kleerdex Kydex® 115 Acrylic/PVC Thermoplastic Sheet (discontinued \*\*)

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

### Material Notes:

High rigidity sheet for ceiling panels  
**Applications:** Ceiling panels in clean rooms, computer rooms, laboratories, food, dairy, and pharmaceutical plants, and other environments where a high degree of cleanliness is required, decorative panels, sound diffusers  
**Features:** Kydex 115 meets the criteria for flame spread and smoke development that determines Class I/A compliance using ASTM E84 methodology. It is ideal for applications such as ceiling panels where the product must be routinely removed and/or cleaned for maintenance. It provides superior impact protection and will not chip, crack, or flake. Color is integral throughout each sheet. Kydex 115 has excellent chemical resistance allowing for the removal of tougher stains with stronger cleaning agents without damaging the surface of the sheet. This high rigidity fire rated sheet is a non-porous, tough, chemical resistant material. Clean Room Class 10 Federal Standard 209D.  
**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-115-AcrylicPVC-Thermoplastic-Sheet-nspsdiscontinued-.php](http://www.lookpolymers.com/polymer_Kleerdex-Kydex-115-AcrylicPVC-Thermoplastic-Sheet-nspsdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.060 %	0.060 %	24 hrs @ 23°C
Water Absorption at Saturation	0.15 %	0.15 %	7 days at 23°C

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength, Ultimate	39.6 MPa	5740 psi	ASTM D638
Modulus of Elasticity	2.392 GPa	346.9 ksi	
Flexural Yield Strength	70.3 MPa	10200 psi	ASTM D790
Izod Impact, Notched	1.62 - 2.67 J/cm @Temperature 23.0 °C	3.03 - 5.00 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	annealed; ASTM D648
Flammability Test	25	25	Flame Spread; All gauges from 0.028 in (0.71 mm) and greater. Not intended for specification purposes.; ASTM E84

Thermal Properties

440  
Metric

440  
English

Smoke Developed, Free Standing,  
Class 17A  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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