

**Kleerdex Kydex® 101 Acrylic/PVC Thermoplastic Sheet (discontinued \*\*)**

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

**Material Notes:**

Thermoplastic sheet for signageApplications: Sign applications, radomes, other applications where a weatherable color over a white substrate is desirableFeatures: Kydex 101 is more rigid than most other thermoplastics resulting in parts that will deform less when loaded. Offers unsurpassed resistance to breakage. The cap offers excellent weatherability for use in outdoor applications. Since the substrate is white, it eliminates the need for painting which is required with other thermoplastics and with metal.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-101-AcrylicPVC-Thermoplastic-Sheet-nspsdiscontinued-.php](http://www.lookpolymers.com/polymer_Kleerdex-Kydex-101-AcrylicPVC-Thermoplastic-Sheet-nspsdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength, Ultimate	42.0 MPa	6090 psi	ASTM D638
Elongation at Break	160 %	160 %	
Modulus of Elasticity	2.319 GPa	336.3 ksi	
Flexural Yield Strength	64.0 MPa	9280 psi	ASTM D790
Izod Impact, Notched	9.53 J/cm @Temperature 23.0 °C	17.9 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	V-0, 5V; UL Standard 94

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

**Contact Songhan Plastic Technology Co.,Ltd.**Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215, Fengxian District, Shanghai City, China**