

Kleerdex Vinyloy™ 100 Acrylic/PVC Thermoplastic Sheet (discontinued **)

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

Material Notes:

Utility grade Applications: Vinyloy 100 sheet is a fire retardant that can be used to substitute effectively for ABS and other utility grade thermoplastics. **Features:** Vinyloy 100 sheet is a recycled grade of proprietary acrylic/PVC thermoplastic sheet that is cost competitive with other utility grades of thermoplastic sheet while offering improved performance. Vinyloy 100 sheet is UL recognized 94 V-0 and 5V. **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-Vinyloy-100-AcrylicPVC-Thermoplastic-Sheet-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 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	88	88	ASTM D785
Tensile Strength, Ultimate	42.0 MPa	6090 psi	ASTM D638
Modulus of Elasticity	2.068 GPa	299.9 ksi	
Flexural Yield Strength	63.0 MPa	9140 psi	ASTM D790
Izod Impact, Notched	4.27 J/cm @Temperature 23.0 °C	8.00 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

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