

Kleerdex Kydex® 100 AS Acrylic/PVC Thermoplastic Sheet (discontinued **)

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

Material Notes:

Anti-static sheet Applications: Housings for equipment such as photocopy machines, instrument panels, computers, keyboards, telephones, internal parts for electrical and electronic equipment, medical equipment parts, carrying trays, carts, and trolleys for sensitive electrical components. **Features:** Unlike other anti-static thermoplastic sheets, Kydex 100AS retains its anti-static properties even after thermoforming. Also it is available in a multitude of colors. For deep or hard to for parts or where good finished detail is required, Kydex 100AS is unsurpassed. It meets the highest standard for chemical resistance for thermoplastic materials. **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-100-AS-AcrylicPVC-Thermoplastic-Sheet-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.33 - 1.37 g/cc	0.0480 - 0.0495 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	35.0 - 41.0 MPa	5080 - 5950 psi	ASTM D638
Modulus of Elasticity	2.206 - 2.344 GPa	320.0 - 340.0 ksi	
Flexural Yield Strength	62.0 - 69.0 MPa	8990 - 10000 psi	ASTM D790
Izod Impact, Notched	6.41 J/cm @Temperature 23.0 °C	12.0 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	67.0 °C	153 °F	annealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+9 - 1.00e+12 ohm	1.00e+9 - 1.00e+12 ohm	ASTM D257

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

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