

Kleerdex Kydex® 200 Acrylic/PVC Thermoplastic Sheet (discontinued **)

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

Material Notes:

General purpose gradeApplications: Can be used to substitute effectively for both general purpose ABS and acrylic/PVC thermoplastics.

Examples include data processing equipment housings, photocopy machines, vending machine chutes, and consumer products.Features: It is among the most rigid of thermoforming materials as demonstrated by its high modulus of elasticity. Particularly effective for pressure forming and/or where the part is going to be painted. Meet the requirement for 94 V-0 in all gauges as tested by an independent lab.

Provides excellent extensibility, good impact resistance, and excellent solvent resistance. Radiant Panel: 35 as per ASTM E162Fabrication:

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-200-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	94	94	ASTM D785
Tensile Strength, Ultimate	42.0 MPa	6090 psi	ASTM D638
Elongation at Break	80 %	80 %	
Modulus of Elasticity	2.206 GPa	320.0 ksi	
Flexural Yield Strength	63.0 MPa	9140 psi	ASTM D790
Izod Impact, Notched	5.34 J/cm @Temperature 23.0 °C	10.0 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	Independent Test Lab

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

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