

Kleerdex Kydex® 120 Acrylic/PVC Thermoplastic Sheet (discontinued **)

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

Material Notes:

USDA approved thermoplastic sheet Applications: High impact resistant wallcovering, push plates and kick plates, equipment housings, splash and safety guards Features: Kydex 120 meets class I/A fire codes when used as a protective wallcoverings and meets UL Standard 94 V-0/5V fire ratings in all thickness, the highest listing for flame retardant plastic components. It is tough, impact and scratch resistant, Kydex 120 will provide years of service when formed into plastic components or used as a wallcovering. In food processing environments where cleanliness is essential, Kydex 120 is more resistant to a wider range of cleaners than other thermoplastics. It also resists staining from foodstuffs. 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-120-AcrylicPVC-Thermoplastic-Sheet-nspsdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	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	2.31 GPa	335 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
Taber Abrasion, mg/1000 Cycles	0.038	0.038	ASTM D1044

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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