

Kleerdex Kydex® 150 Acrylic/PVC Thermoplastic Sheet (discontinued **)

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

Material Notes:

Class I/A rated thermoplastic sheet Applications: Interior ductwork and chutes, laboratory hoods, shower/tub shrouds, acoustical applications, decorative ceilings, abuse resistant surfacing for counters, exhibits, portions, doors Features: Kydex 150 is more resistant to a wider range of concentrated chemicals than any other thermoplastic. Its superior chemical resistance allow for excellent cleanability because stronger clearing agents can be used with no discoloration or surface damage to the material. It is not available for field applied wallcovering applications. Flammability Properties: Flame Spread at 25 minutes. Fire Door at 20 minutes (ASTM E152). Fabrication: Kydex 150 has good formability and extensibility and is extremely easy to work with once formed. All secondary operations, such as sawing, shearing, punching, and brake forming are possible with Kydex 150 sheet. 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-150-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

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