

KYDEX® 6565 Acrylic/PVC Thermoplastic Sheet

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

Material Notes:

Low heat release aviation gradeApplications: Airducts, seat parts, bulkhead laminates, escape slide packboards, gallery parts, instrument panels, laboratory floorplans, sidewall panels, life vest shrouds, window revealFeatures: Meets all fire retardancy requirements set forth by the FAR. An ideal material to form two and three dimensional aircraft components. It is very resistant to a wide range of concentrate chemicals, and is therefore easy to clean with aggressive cleaners. Passes Motor Vehicle Safety Standards (MVSS 302). Radiant Panel: Pass as per ASTM E162Fabrication: Kydex 6565 forms to deep draws with low forces when heated to the upper end of the proper forming temperature range. Crisp detail is achieved and rejects are minimized. Kydex 6565 sheet can be formed on all standard presses, and cut on all standard die-cutting machines.Data provided by the Kleerdex Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KYDEX-6565-AcrylicPVC-Thermoplastic-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.46 - 1.49 g/cc	0.0527 - 0.0538 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Elongation at Break	55 %	55 %	
Modulus of Elasticity	2.896 GPa	420.0 ksi	
Flexural Yield Strength	70.0 MPa	10200 psi	ASTM D790
Impact Test	7.24 J	5.34 ft-lb	Dynatup Max Energy

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 Â°C	172 Â°F	annealed; ASTM D648

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

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