

KYDEX® T Acrylic/PVC Thermoplastic Sheet

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

Material Notes:

Impact resistant fire rated sheet Applications: External housings for equipment such as photocopy machines, instrument panels, computers, keyboards, telephones, internal parts for equipment such as vending machines, air ducts, grilles, orthopedic braces, medical equipment parts, in-store displays, electrical equipment and any components requiring an UL 94 V-0 rating. Features: Kydex T is formulated to substitute for FR ABS sheet with competitive pricing but superior cost and performance. It has higher breakage resistance as measured by the Notched Izod test than competitive thermoplastics. Kydex T is available in eight gauges, in nine textures, a large variety of colors, custom blank sizes, and very low minimums. Kydex T is among the most rigid of thermoforming materials. Fabrication: Kydex T is easy to form with excellent part definition and deep-draw characteristics. It forms with similar forming times to FR-ABS making it easy transition from competitive products. Data provided by the Kleerdex Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KYDEX-T-AcrylicPVC-Thermoplastic-Sheet.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	110 %	110 %	
Modulus of Elasticity	2.482 GPa	360.0 ksi	
Flexural Yield Strength	66.0 MPa	9570 psi	ASTM D790
Izod Impact, Notched	8.01 J/cm @Temperature 23.0 Â°C	15.0 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.5 Â°C	168 Â°F	annealed; ASTM D648
UL RTI, Electrical	50.0 Â°C @Thickness 0.700 - 3.00 mm	122 Â°F @Thickness 0.0276 - 0.118 in	
UL RTI, Mechanical with Impact	50.0 Â°C	122 Â°F	

Thermal Properties	@Thickness 0.700 - 3.00 mm Metric	@Thickness 0.0276 - 0.118 in English	Comments
UL RTI, Mechanical without Impact	50.0 Â°C @Thickness 0.700 - 3.00 mm	122 Â°F @Thickness 0.0276 - 0.118 in	
Flammability, UL94	V-0	V-0	

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China