

KYDEX® 110 Metallic Thermoplastic Fire-rated Sheet

Category : Polymer , Thermoplastic

Material Notes:

Features: For deep or hard to form parts where good finished detail is required. More rigid than most thermoplastics, parts deform less when loaded. Meets highest standard for chemical resistance for thermoplastic materials. Excellent forming properties, uniform wall thickness.

Suggested Applications: Aircraft Interiors, Kiosk Housings, Medical Housings, Exhibits and Displays, Store Fixtures, Office Furniture.

Information provided by Kydex, LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KYDEX-110-Metallic-Thermoplastic-Fire-rated-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	45.0 MPa	6530 psi	ASTM D638
Flexural Strength	76.0 MPa	11000 psi	ASTM D790
Flexural Modulus	2.45 GPa	355 ksi	ASTM D790
Izod Impact, Notched	1.28 J/cm	2.40 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	73.9 Å°C	165 Å°F	ASTM D648
Flammability, UL94	V-0	V-0	
	5VA	5VA	

Descriptive Properties	Value	Comments
Federal Aviation Administration	Pass	FAR 25.853 (a)
Surface Burning Characteristics: Flame Spread/Smoke	Class 1/A	ASTM E84

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