

KYDEX® 6503 Integral Pearlescent Low Heat Release Aviation Thermoforming Sheet

Category : Polymer , Thermoplastic

Material Notes:

Features: Thicknesses from 0.71 mm to 3.18 mm
Chemical resistant - easy to clean with aggressive cleaners
Forms deep draws with low forces when heated to the upper end of forming temperature range
Crisp detail, minimal rejects
Can be formed on all standard presses and cut on all standard die-cutting machines
Secondary operations include: machining, sawing, blanking, punching
Suggested

Applications: Seat parts
Bulkhead laminates
Life vest shrouds
Passenger service units
Monitor shrouds
Armrests
Window shades
Molding strips
Tray tables
Kick panels
Information provided by Kydex, LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KYDEX-6503-Integral-Pearlescent-Low-Heat-Release-Aviation-Thermoforming-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength	45.0 MPa	6530 psi	ASTM D638
Flexural Strength	70.0 MPa	10200 psi	ASTM D790
Flexural Modulus	2.896 GPa	420.0 ksi	ASTM D790
Impact Test	7.24 J	5.34 ft-lb	Max. Energy; Dynatup
	130.65 J	96.362 ft-lb	Cum. Energy; Dynatup

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.3 Â°C	173 Â°F	annealed; ASTM D648

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

Descriptive Properties	Value	Comments
Federal Aviation Administration	< 65/65	FAR 25.853 (d); Rate of Heat Release
	Pass	FAR 25.853 (a)
	Pass	FAR 25.853 (d); Smoke Generation

Flammability Radiant Panel Descriptive Properties	Pass Value	ASTM E162 Comments
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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