

KYDEX® 5555 Low Heat Release Aviation Thermoforming Sheet

Category : Polymer , Thermoplastic

Material Notes:

Features: Over two hundred colors and eight thicknesses available
 Chemical resistant
 Meets flamespread and smoke density requirements for mass transit
 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-5555-Low-Heat-Release-Aviation-Thermoforming-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D785
Tensile Strength	43.0 MPa	6240 psi	ASTM D638
Flexural Strength	81.2 MPa	11800 psi	ASTM D790
Flexural Modulus	3.833 GPa	555.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	75.9 Å°C	169 Å°F	annealed; ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	170 - 200 Å°C	338 - 392 Å°F	Forming

Descriptive Properties	Value	Comments
Federal Aviation Administration	< 150	FAR 25.853 (d); Smoke Generation
	< 55/55	FAR 25.853 (d); Rate of Heat Release
	Pass	FAR 25.853 (a)

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