

KYDEX® FST Fully Compliant Aviation Thermoforming Sheet

Category : Polymer , Thermoplastic

Material Notes:

KYDEX® FST meets all fire, smoke and heat release requirements set forth by the Federal Aviation Regulations 25.853 paragraphs (a) and (d) as well as toxicity requirements for ABD0031, BSS7239 and D6-51377. 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-FST-Fully-Compliant-Aviation-Thermoforming-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	125	125	ASTM D785
Tensile Strength	74.0 MPa	10700 psi	ASTM D638
Flexural Strength	107 MPa	15500 psi	ASTM D790
Flexural Modulus	2.32 GPa	336 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	120.5 Å°C	248.9 Å°F	unannealed; ASTM D648

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
Toxicity Requirements	ABD0031	Pass
	BSS 7239	Pass
	D6-51377	Pass

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