Product Information

ROHAFORM®

AN INTERIOR FOAM WITH FST BENEFITS

ROHAFORM® FST is a state-of-the-art lightweight particle foam core material that meets stringent fire, smoke and toxicity levels for interior aircraft applications. It exceeds both US and European regulatory requirements for commercial aircraft interiors.

IDEAL FOR INTERIOR SANDWICH COMPOSITES

ROHAFORM® provides a structural core solution for aircraft seats, tray tables, overhead bins, wall panels and more. The technology used to shape the cores ensures the ultimate in design freedom, making it easy to create both simple and geometrically complex components.

Cores are compatible with common thermoset and thermoplastic polymers. They are suitable for all commonly used composite processes up to temperatures of 180 °C (356 °F) and pressures of 0.25 MPa (36 psi).

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FIRE, SMOKE & TOXICITY PERFORMANCE

Characteristic	Standard	Test method	ROHAFORM® FST
Vertical Burn, 60 seconds	FAR / CS 25.853 Appendix F	Part 1 (a) (1) (i)	Pass
Heat Release Peak/Total	FAR / CS 25.853 Appendix F	Part IV	Pass
	Airbus ABD 0031	AITM 2.0006	Pass
	Boeing BSS 7322	ASTM E906	Pass
Smoke Density[1]	FAR / CS 25.853 Appendix F	Part V	Pass
	Airbus ABD 0031	AITM 2.0007	Pass
	Boeing BSS 7238	ASTM E662	Pass
Combustion Toxicity[1]	Airbus ABD 0031	AITM 3.0005	Pass
	Boeing BSS 7239	ASTM E662	Pass

1. Flaming mode

Property	Test Method	Unit	ROHAFORM®	
Density	ASTM D 1622	kg/m³ lbs/ft³	75 4.7	90 5.6
Compressive Strength	ASTM D 1621	MPa psi	0,7 101	1,0 145
Compressive Modulus	ASTM D 1621	MPa psi	25 3 625	35 5 076
Shear Strength	ASTM C 273	MPa psi	0,6 87	1 145
Shear Modulus	ASTM C 273	MPa psi	25 3 625	30 4 351
Thermal Conductivity	EN 12667	mW/mK	37.2	N/A

Technical data values presented are typical for nominal density, subject to normal manufacturing variations.

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