

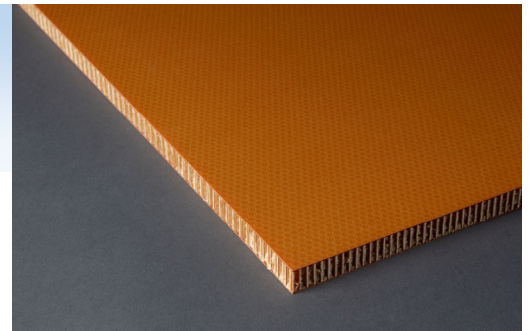


AeroRigid™ 2223

Composites Panel for Aircraft Interiors

The AeroRigid™2223 is a sandwich panel made with facings of fiberglass cloth reinforced phenolic laminate and Aramid honeycomb core (SAH), designed for use in aircraft interiors.

SAH: Showa Aramid Honeycomb



Features

- Low heat release
- Low smoke and toxicity generation
- Moisture and corrosion resistance
- Service temperature: up to 180°F

Applications

The AeroRigid™ 2223 is designed for use in aircraft cabin interior structures such as galleys, lavatories, bulkheads, partitions, storage compartment and crew rests.

Availability

Thickness : 0.125" to 1.000"
 Facing : 0.014"
 Width : Standard 48" (Maximum 60")
 Length : Standard 96" (Maximum 144")

Construction

Reinforcement : Woven fiberglass cloth
 Resin system : Phenolic
 Core : SAH 1/8-3.0 (AMS-C-3711)

Typical Performance Properties

Part Number	Panel Thickness inch	Panel Wight lbs/sf [Mean]	Long Beam Flexural Load at Failure lbs [Mean]		Long Beam Flexural Facing Stress psi [Mean]		Short Beam Core Shear psi [Mean]		Climbing Drum Peel in-lbs/in [Mean]	Stabilized Core Compression psi [Mean]	FAA Allowables ×1
			L	W	L	W	L	W			
AR2223-A0125	0.125	0.45	20 *2	22 *2	-	-	285	192	12	745	Good
AR2223-A0250	0.250	0.48	104	102	57734	56393	181	106	12	453	Good
AR2223-A0375	0.375	0.50	164	143	54465	47636	178	101	11	431	Good
AR2223-A0500	0.500	0.53	220	189	55521	47585	169	103	10	421	Good
AR2223-A0750	0.750	0.61	302	253	45559	38180	152	93	10	378	Good
AR2223-A1000	1.000	0.66	350	295	42227	35580	133	87	10	361	Good

×1 Meet FAA allowable per FAR 25.853 Appendix F, Part I - Vertical and Forty-five degree; Part IV - Heat Release; Part V - Smoke Emission

×2 Maximum values without failure

Note: Above figures reflect typical values and should not be used as design specifications.

CONTACT FOR MORE INFORMATION

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