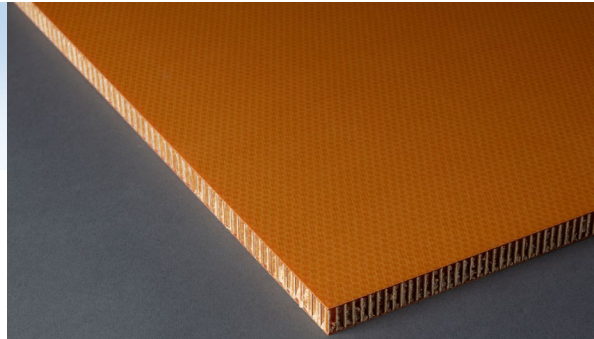


AeroRigid™ 2223

Composites Panel for Aircraft Interiors

The AeroRigid™2223 is a sandwich panel made with facings of fiberglass cloth reinforced phenolic laminate and SAH® which is Aramid honeycomb core, 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 inch
 Facing : 0.014 inch
 Width : Standard 48 inch (Max 60 inch)
 Length : Standard 96 inch (Max 144 inch)

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 Weight (lbs/sf)	Long Beam Flexural Load at Failure (lbs)		Long Beam Flexural Facing Stress (psi)		Short Beam Core Shear (psi)		Climbing Drum Peel (in-lbs/in)	Stabilized Core Compression (psi)	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: The above figures reflect typical values and should not be used in design.

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