



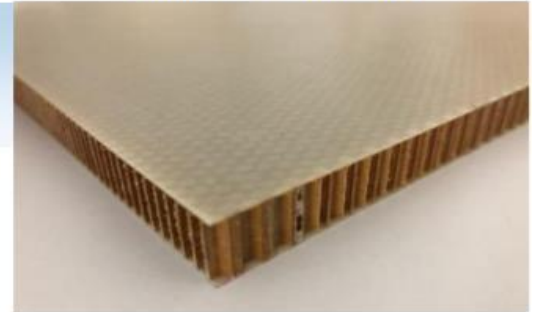
PROFESSIONAL PLASTICS

 Showa Aircraft Industry Co., Ltd.

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AeroRigid™ 2623

Composites Panel for Aircraft Interiors



The AeroRigid™2623 is a sandwich panel made with facings of fiberglass cloth reinforced epoxy laminate and Nomex® honeycomb core (SAH), designed for use in aircraft interiors.

© Nomex is registered trademark of E.I. DuPont de Nemours, Wilmington, Delaware.
SAH: Showa Aramid Honeycomb

Features

- Light weight and high strength
- Good self-extinguishing
- Corrosion resistance
- Service temperature: up to 180°F

Applications

The AeroRigid™ 2623 is designed for use in commercial aircraft interior structures and non-structures such as crew rests and galley areas.

Availability

Thickness: 0.125", 0.250", 0.375", 0.500", 0.750" and 1.000"
 Facing: 0.020"
 Width: Standard 48" (Maximum 60")
 Length: Standard 96" (Maximum 144")

Construction

Facing reinforcement: Woven fiberglass cloth
 Facing resin system: Epoxy
 Honeycomb Core: SAH 1/8-3.0 (AMS-C-3711)

Typical Performance Properties

Part Number	Panel Thickness inch	Panel Weight lbs/sf [Mean]	Long Beam Flexural Load at Failure lbs [Mean]		Long Beam Flexural Facing Modulus ksi [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			
AR2623-A0125	0.125	0.46	21 ×2	20 ×2	4249	4152	487	401	18	1299	Good
AR2623-A0250	0.250	0.49	92 ×2	95 ×2	3964	4139	248	151	18	616	Good
AR2623-A0375	0.375	0.52	179	172	3967	4083	217	126	16	577	Good
AR2623-A0500	0.500	0.55	245	220	3987	4167	202	111	15	473	Good
AR2623-A0750	0.750	0.62	368	318	4134	4331	170	97	13	365	Good
AR2623-A1000	1.000	0.68	448	382	4067	4298	152	86	12	324	Good

×1 Meet FAA allowable per FAR 25.853 Appendix F, Part I - 60 second vertical

×2 Maximum values without failure

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

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