

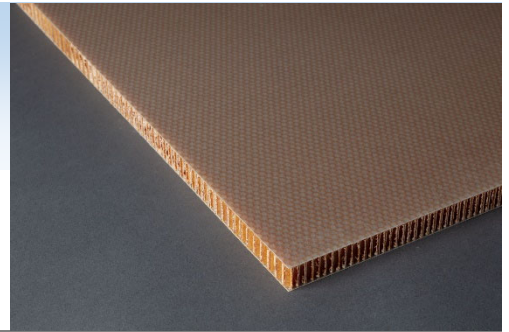


AeroRigid™ 2623

Composites Panel for Aircraft Interiors

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

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

Construction

Reinforcement : Woven fiberglass cloth
 Resin system : Epoxy
 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 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			
AR2623-A0125	0.125	0.48	21 ×2	20 ×2	-	-	330	311	19	1087	Good
AR2623-A0250	0.250	0.50	107	108	53883	53920	255	150	14	696	Good
AR2623-A0375	0.375	0.53	164	159	53179	51694	233	132	10	621	Good
AR2623-A0500	0.500	0.57	224	212	56902	53713	224	132	9	572	Good
AR2623-A0750	0.750	0.63	323	291	56603	50867	185	110	7	430	Good
AR2623-A1000	1.000	0.69	410	355	60907	52532	158	97	5	377	Good

×1 Meet FAA allowable per FAR 25.853 Appendix F, Part I - Vertical and Forty-five degree

×2 Maximum values without failure

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

CONTACT FOR MORE INFORMATION

PROFESSIONAL PLASTICS

1810 E. Valencia Dr.
 Fullerton, CA 92831
 Phone: +1-800-878-0755
 Email: honeycomb@proplas.com

SHOWA AIRCRAFT USA INC.

8656 154th Ave. NE
 Redmond, Washington 98052, USA
 Phone: +1-425-202-7238
 Fax: +1-425-202-7779
<https://showaaircraftusa.com/page/contact-us>