

BISCO A2 R Fiberglass Reinforced Sound Barrier

Data Specifications

BISCO® A2 Fiberglass Reinforced Sound Barrier provides a similar level of sound absorption and flame resistance as the non-reinforced A2 Sound Barrier with the addition of increased tensile and tear strength obtained from the embedded fiberglass.

Property	Test Method	Typical Value			Unit
Physical		Product Grades			
Areal Density	ISO 2286-2	1.0 (0.20)	1.5 (0.31)	3.0 (0.61)	kg/m ² (lb/ft ²)
Color		Light Gray			
Hardness	ISO 7619 (Without Reinforcement)	60			Shore A
Tensile Strength (Wrap)	ISO 37 Type 2	35 (5076)	25 (3625)	12 (1740)	MPa (lb/in ²)
Tensile Strength (Fill)	ISO 37 Type 2	25 (3625)	15 (2175)	8 (1160)	MPa (lb/in ²)
Tear Strength (warp/fill)	ISO 4674-1 Method B	20 (114)	15 (85)	10 (57)	N/mm (lb/in)
Temperature Stability		-50 C to 180 C			
Fire Resistance					
Flammability	FAR 25.853a	Pass			
Smoke Density	FAR 25.853 (a-1) (AITM 2.0007)	Pass			
Smoke Gas Component	AITM 3.0005	Pass			
Flame Propagation Resistance	FAR 25.856 (a) (AITM 2.0053)	Pass			

¹All physical properties are presented as Typical Values

²All classifications or values in reference to flame, smoke, and toxicity are presented as a result of certified Third Party testing laboratories. The specific test reports are available upon request.

Applications

- Aircraft acoustic insulation
- Noise reduction liner for interior panels
- Aircraft flooring noise barrier
- Rail interior noise blocker

Availability

- Areal Densities (Surface Weight) of 1.0, 1.5 and 3.0 kg/m²
- Standard width 1000mm
- Standard roll length 5m
- Samples available upon request

Specification

- ABS5789

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