

A2 SOUND BARRIER

Material Description:

A2 Sound Barrier is a solid silicone rubber engineered to meet demanding requirements for flammability, smoke density and toxicity. It is used to block the transmission of sound and demonstrates excellent performance in low frequency noise reduction. Innovative filler technology is used to create superior flame resistance meeting the radiant panel flammability test FAR25.856(a).

Applications

- Aircraft acoustic insulation.
- Noise reduction liner for interior panels.
- Aircraft flooring noise barrier.
- Rail interior noise blocker.
- Meets Airbus ABS5708

Property	Typical Value	Test Method
Polymer Type	Silicone	
Colour	Light Grey	
Density	1.64 g/cm ³	ISO 2781
Hardness	62 Shore A	ISO 868
Tensile Strength	2.8 MPa	ISO 37 Type 2
Elongation at break	220%	ISO 37 Type 2
Tear Strength	10.2 N/mm	ISO 34 method C
Temperature Stability	-50° C to +180° C	

Availability

- Width 1000mm
Length 5m
- Areal density from 1.2kg/m² to 8.2kg/m²

Fire Resistance	
Flammability	Pass JAR/FAR, part 25 25.853(a)(1)(i)
Flame Propagation Resistance	Pass JAR/FAR, part 25 25.856(a)
Flame Penetration Resistance in Bonded Condition	Pass JAR/FAR, part 25 25.855(c)
Smoke Gas Components	Pass AITM 3.0005
Smoke density	Pass AITM 2.0007