

A2R REINFORCED SOUND BARRIER

Material Description:

A2R Reinforced Sound Barrier is a reinforced solid silicone rubber engineered to meet demanding requirements for flammability, smoke density and toxicity. It can be used as a noise barrier in furnishing, equipment and insulation applications. The material meets FAR 25.856(a). It can be perforated and/or supplied as cut parts.

Applications

- **Aircraft acoustic insulation**
- **Meets Airbus ABS5789**
- **Meets Airbus AIMS 04-22-005**

Availability

- **Typical width 1000mm
Typical length 5m**
- **Areal density nominally 1kg/m², 1.5kg/m² and 3kg/m²**

Typical Property	Typical Value	Test Methods
Polymer Type	Silicone	
Colour	Light Grey	
Aerial Weight	1 - 3 kg/m ²	ISO 2286-2
Hardness	60 Shore A	ISO 868
Tensile Strength	Warp 14 Mpa Weft 8 Mpa	ISO 37 Type 2
Temperature Stability	-50° C to +180° C	

Fire Resistance	
Flammability	Pass JAR/FAR, part 25 25.853(a)
Flame Propagation Resistance	Pass JAR/FAR, part 25 25.856(a)
Smoke Gas Components	Pass AITM 3.0005
Smoke density	Pass AITM 2.0007