

BISCO® Silicones
BISCO® A2 Sound Barrier

BISCO® A2 Sound Barrier is a solid silicone rubber engineered to meet demanding requirements for flammability, smoke density and toxicity. A2 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

Availability (rolls)

- Areal Densities (Surface Weight) from 1.2 kg/m² to 8.2 kg/m²
- Standard width 1000mm
- Standard roll length 5m
- Samples available upon request

Specifications

- **Airbus ABS5708**

| Preliminary Technical Data | | |
|--|---|--|
| Properties | Typical Values | Test Methods |
| Polymer Type | VMQ | ISO 1629 |
| Color | Light Gray | |
| 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 | |
| Fire Resistance | | |
| Flammability | Pass JAR/FAR, Part 25 25.853(a) Change 15/Amdt. 25-91 | JAR/FAR, Part 25, App. F Part I, Para (a) (1) (ii) |
| Flame Propagation Resistance | Pass FAR, Part 25 25.856(a) | FAR, Part 25, App. F Part VI |
| Flame Penetration Resistance in Bonded Condition | Pass JAR/FAR, Part 25 Change 15/Amdt. 25-60, 25.855(c) and App. F Part III | JAR/FAR, Part 25, Change 15/Amdt. 25-60, App. F Part III |
| Smoke Gas Components | Pass | AITM 3.0005. |
| Smoke Density | Pass | JAR/FAR 25, App. F, Part V & AITM 2.0007 |

Product Matrix

- **Standard Width**
1000mm
- **Standard Roll Length**
5m (*other roll sizes available on request*)
- **Minimum Order Quantity**
5m
- **Surface Weight (Area Density) Availability**
1.2 kg/m² (0.25 lbs/ft²) to 8.2 kg/m² (1.68 lbs/ft²)
- **Specifications**
Airbus ABS5708

| Standard Surface Weight (Area Density) | |
|--|---------------------|
| kg/m ² | Lbs/ft ² |
| 1.2 | 0.25 |
| 1.5 | 0.31 |
| 2.3 | 0.47 |
| 3.0 | 0.61 |
| 3.5 | 0.72 |
| 4.7 | 0.96 |
| 5.9 | 1.21 |
| 7.0 | 1.43 |
| 8.2 | 1.68 |
| Other surface weights available on request | |

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