

## Rogers Corporation Bisco® A2 Sound Barrier Engineered Solid Silicone Mass Layer, Sound Barrier

Category : Polymer , Thermoset , Silicone , Silicone Foam

### Material Notes:

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). A2 is light gray in color. Applications: Aircraft acoustic insulation Noise reduction liner for interior panels Aircraft flooring noise barrier Rail Interior noise blocker Information provided by Rogers Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Rogers-Corporation-Bisco-A2-Sound-Barrier-Engineered-Solid-Silicone-Mass-Layer-Sound-Barrier.php](http://www.lookpolymers.com/polymer_Rogers-Corporation-Bisco-A2-Sound-Barrier-Engineered-Solid-Silicone-Mass-Layer-Sound-Barrier.php)

Physical Properties	Metric	English	Comments
Density	1.64 g/cc	0.0592 lb/in <sup>3</sup>	ISO 2781

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	ISO 868
Tensile Strength	2.80 MPa	406 psi	ISO 37 Type 2
Elongation at Break	220 %	220 %	ISO 37 Type 2
Tear Strength	10.2 kN/m	58.2 pli	ISO 34 Method C

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	

Descriptive Properties	Value	Comments
Flammability Test	Pass	JAR/FAR, Part 25, App. F Part 1, Para (a) (1) (ii) and Part III [change 15/Amdt. 25-60] and Part VI
Polymer Type	VMQ	ISO 1629
Smoke Density (min)	Passes smoke gas components test AITM3.0005	JAR/FAR 25, App. F, Part V & AITM 2.0007

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