

Rogers Corporation Bisco® A2 R 1.5 Engineered Solid Silicone Mass Layer, Fiberglass Reinforced Sound Barrier

Category : Polymer , Thermoset , Silicone , Silicone, Molded, Glass Fiber Filled

Material Notes:

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. IA2 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-R-15-Engineered-Solid-Silicone-Mass-Layer-Fiberglass-Reinforced-Sound-Barrier.php

| Mechanical Properties | Metric | English | Comments |
|-----------------------|-----------|----------|---------------------------------|
| Hardness, Shore A | 60 | 60 | without reinforcement; ISO 7619 |
| Tensile Strength | 15.0 MPa | 2180 psi | fill; ISO 37 Type 2 |
| | 25.0 MPa | 3630 psi | wrap; ISO 37 Type 2 |
| Tear Strength | 15.0 kN/m | 85.6 pli | ISO 4674-1 Method B |

| 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 |
|------------------------|---|--|
| Areal density | 0.15 g/cm ² | ISO 2286-2 |
| Flammability Test | Pass | FAR 25.853a and FAR 25.856 (a) (AIRM 2.0053) |
| Polymer Type | wrap/fill | |
| Smoke Density (min) | Passes smoke gas components test AITM3.0005 | FAR 25.853 (a-1) (AIRM 2.0007) |

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