

## BISCO A2 R Fiberglass Reinforced Sound Barrier

## Data Specifications

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.

Property	Test Method	Typical Value			Unit
<b>Physical</b>		Product Grades			
<b>Areal Density</b>	ISO 2286-2	1.0 (0.20)	1.5 (0.31)	3.0 (0.61)	kg/m <sup>2</sup> (lb/ft <sup>2</sup> )
<b>Color</b>		Light Gray			
<b>Hardness</b>	ISO 7619 (Without Reinforcement)	60			Shore A
<b>Tensile Strength (Wrap)</b>	ISO 37 Type 2	35 (5076)	25 (3625)	12 (1740)	MPa (lb/in <sup>2</sup> )
<b>Tensile Strength (Fill)</b>	ISO 37 Type 2	25 (3625)	15 (2175)	8 (1160)	MPa (lb/in <sup>2</sup> )
<b>Tear Strength (warp/fill)</b>	ISO 4674-1 Method B	20 (114)	15 (85)	10 (57)	N/mm (lb/in)
<b>Temperature Stability</b>		-50 C to 180 C			
<b>Fire Resistance</b>					
<b>Flammability</b>	FAR 25.853a	Pass			
<b>Smoke Density</b>	FAR 25.853 (a-1) (AITM 2.0007)	Pass			
<b>Smoke Gas Component</b>	AITM 3.0005	Pass			
<b>Flame Propagation Resistance</b>	FAR 25.856 (a) (AITM 2.0053)	Pass			

<sup>1</sup>All physical properties are presented as Typical Values

<sup>2</sup>All classifications or values in reference to flame, smoke, and toxicity are presented as a result of certified Third Party testing laboratories. The specific test reports are available upon request.

### Applications

- Aircraft acoustic insulation
- Noise reduction liner for interior panels
- Aircraft flooring noise barrier
- Rail interior noise blocker

### Availability

- Areal Densities (Surface Weight) of 1.0, 1.5 and 3.0 kg/m<sup>2</sup>
- Standard width 1000mm
- Standard roll length 5m
- Samples available upon request

### Specification

- ABS5789

The information contained in this Data Sheet is intended to assist you in designing with Rogers' High Performance Foams. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on the Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' High Performance Foams for each application. The Rogers logo, The world runs better with Rogers. and BISCO are licensed trademarks of Rogers Corporation. © 2012 Rogers Corporation, All rights reserved. Printed in U.S.A., 0212-PDF, Publication # 180-281



**Seal & Design  
Able Division**  
5533 Steeles Avenue West Unit 11  
Toronto, Ontario M9L 1S7  
Ph: (416) 741-0750  
Gasket@AbleSealAndDesign.com



**Seal & Design  
Corporate Headquarters**  
4015 Casilio Parkway  
Clarence, NY 14031  
Ph: (716) 759-2222  
Info@SealAndDesign.com  
www.SealAndDesign.com



**Seal & Design  
Higbee Division**  
6741 Thompson Rd N  
Syracuse, NY 13221  
Ph: (315) 432-8021  
Sales@Higbee-Inc.com