



The world runs better with Rogers.



BISCO® Silicones

Manufacturing

High Performance Foams Division

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Samples, Literature, Tech Support
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BISCO® Silicone Products Manufactured at the Carol Stream Facility are Registered to ISO 9001:2000 Certificate No. A-5857.

www.rogerscorporation.com

Also available from Rogers Corporation:

PORON® Urethane Foams for

Gaskets and Seals
Shock Isolation
Cushion Pads
Vibration and Motor Mounts
RF Shielding (foil clad)
Springs
Spacers
Tape Substrates

Polyolefin Foams for

Gaskets and Seals
HVAC Gaskets
Foam Tapes
LCD Gaskets
Dust Seals
Shock Absorbers

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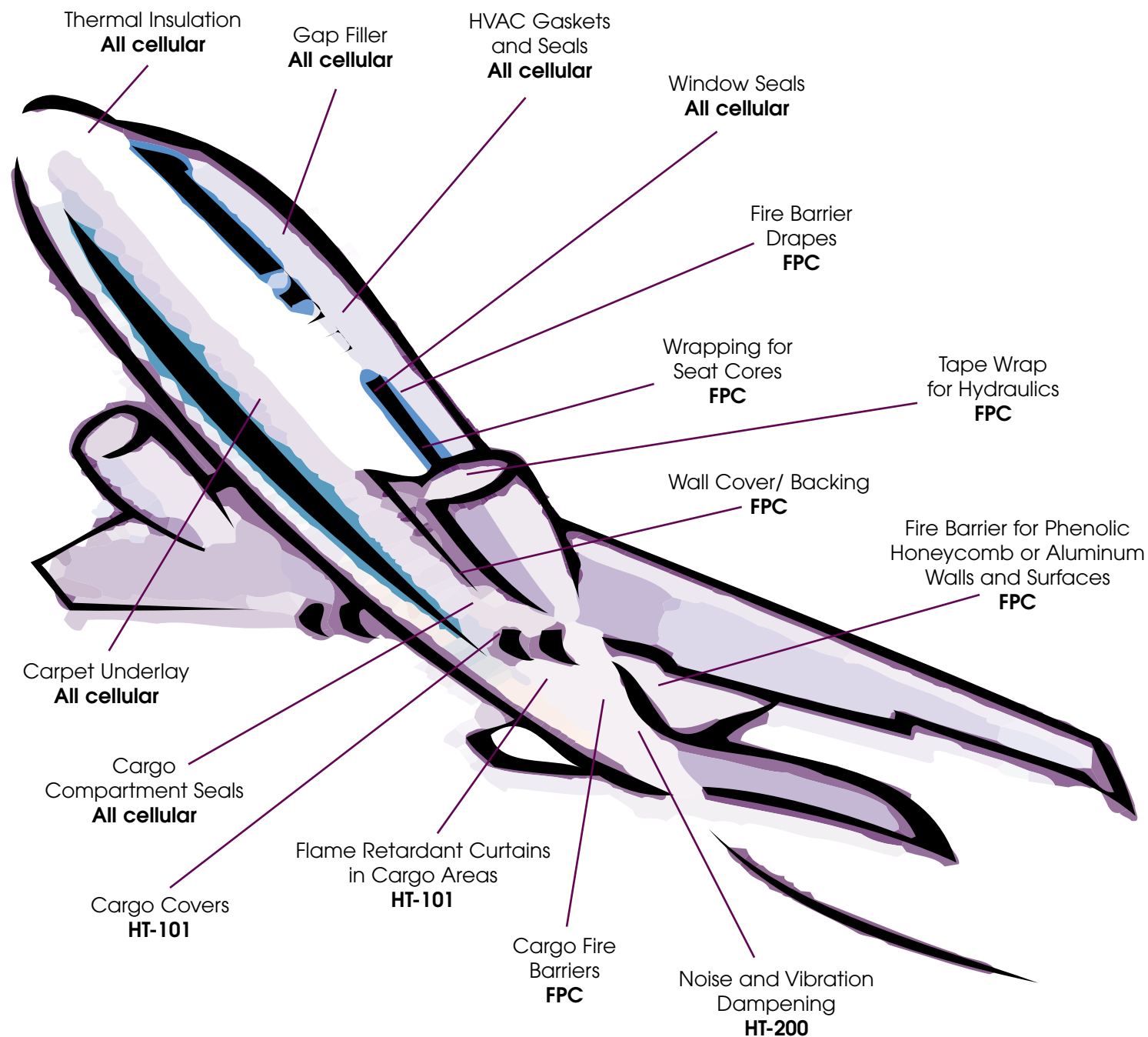
Specified For Aircraft Interior Applications



The information contained in this Market Brochure is intended to assist you in designing with Rogers BISCO Silicones. 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 in this Market Brochure will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers BISCO Silicones for each application.



BISCO® Silicones, Providing Solutions for:



- Flame retardant, lightweight, low toxicity materials for superior performance in aircraft interiors.
- All products, available in forms to meet FAR 25.853 (a)(1)(i), FAR 25.853 (a)(1)(ii).
- Meets individual airframe manufacturer interior specifications.

BISCO® Cellular Silicones are ideal for aircraft interior applications. They are available in a wide range of thicknesses and densities and offer superior resistance to compression set, moisture, and vibration. BISCO Cellular Silicones have excellent UV and Ozone resistance and maintain their physical properties at both high and low temperatures. When designing your aircraft interior, specify BISCO Cellular Silicones.

Cellular

	Density, lb/rft ³ (kg/m ³) ASTM F 1315	Compression Force Deflection, psi (kpa) @ 25% deflection ASTM D 1056	Compression Set @ 158°F (70°C) ASTM D 1056	Compression Set @ 212°F (100°C) ASTM D 1056	Water Absorption ASTM D 471	Thickness Range, inch (mm)	Standard Width, inch (mm)	Standard Colors
BF-1000	12 (192)	1-5 (7-35)	<1%	<5%	3.50%	1/16 - 1 (1.6 - 25.4)	36 (914)	White
HT-870	15 (240)	2-7 (14-48)	<1%	<5%	2.50%	1/16 - 1/2 (1.6 - 12.7)	36 (914)	Black, Red
HT-800	20 (320)	6-14 (41-97)	<1%	<5%	1.40%	1/32 - 1/2 (0.8 - 12.7)	36 (914)	Red, Gray, Black
HT-820	24 (384)	12-20 (83-138)	<1%	<5%	0.80%	1/32 - 1/4 (0.8 - 6.4)	36 (914)	Gray
HT-840	28 (449)	16-26 (110-179)	<1%	<5%	0.20%	1/16 - 1/4 (1.6 - 6.4)	36 (914)	Gray

Specifications: BMS 1-68 form II and DAN 1226 for BF-1000 only
 BMS 1-68 form III and DAN 1226-01 for BF-1000 with Acrylic Adhesive (BF-1005 (A)) only
 Tested Per: FAR 25.853, SMP 800 C, BSS 7239, BSS 7230, ATS-1000.001

FPC

Silicone FPC - Patented Fire Blocking Silicone Foam Cast on Fiberglass

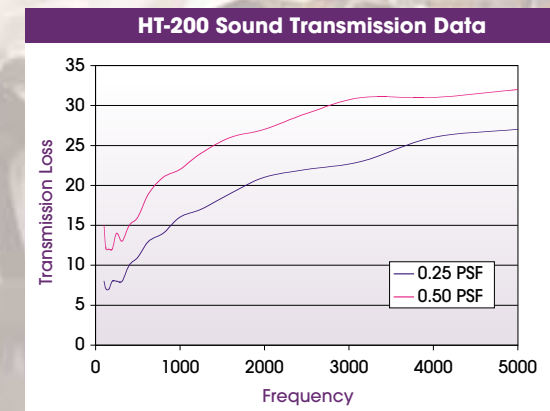
Property	Typical Value	Test Method
Density	32 pcf	ASTM F 1315
Flame Spread (I _s)	<5	ASTM E 162
Smoke Density - Flaming*		
(D _s - 4 minutes)	<75	ASTM E 662
(D _s - 1.5 minutes)	<25	ASTM E 662

* Smoke Density is thickness specific.

Specifications: FAR 25.855, DAN 1226-02
 ABS 5026 for FPC with Acrylic Adhesive (FPC (A)) only

Rogers patented Fire Blocking Silicone Foam cast on fiberglass is ideal for wrapping materials requiring high levels of fire blocking in applications ranging from seats to hydraulic tape. Additionally, FPC is ideal as a wall covering in aircraft interiors. This material is also offered with acrylic pressure sensitive adhesive.

HT-200



Acoustic Barrier (Loaded Silicone Rubber)
 Sound Transmission Class: 1.25 lb/ft²: 16, 0.50 lb/ft²: 22
 Specifications: FAR 25.853, BSS-7239

HT-101

Silicone Coated Fiberglass Cloth

Property	Typical Value	Test Method
Breaking Strength	Warp	310 ppi FTMS 191A
	Fill	275 ppi Method 5100
Bursting Strength	460	FTMS 191A Method 5122
Water Resistance	Trace	AATCC-35 (8 ft. for 5 minutes)
Water Repellency Rating	90	AATCC-22
Thickness	0.016"	
Weight	17 oz/yd ²	
Color	Gray	

Specifications: FAR 25.855 Appendix F Part 3
 Tested Per: BSS 7239