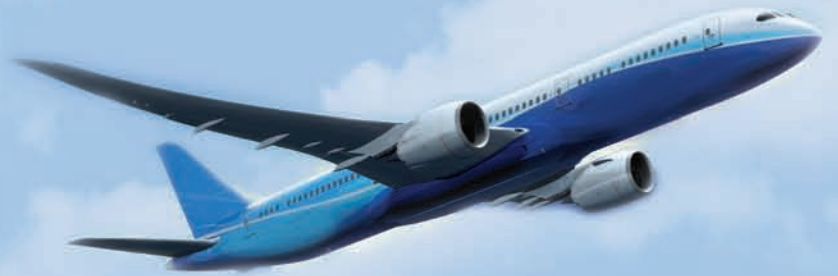




ROGERS
CORPORATION

BISCO® Silicones



Fire Safe Solutions for Aircraft Interiors

BISCO® Silicones offer a wide range of performance materials that ensure passenger comfort and safety, making them ideal for aircraft interior applications.



SAFETY
Meets industry standards for flame, smoke and toxicity



VIBRATION MITIGATION
Acoustic solutions for quiet interior cabins



WEIGHT
Low weight solutions to reduce cost of ownership

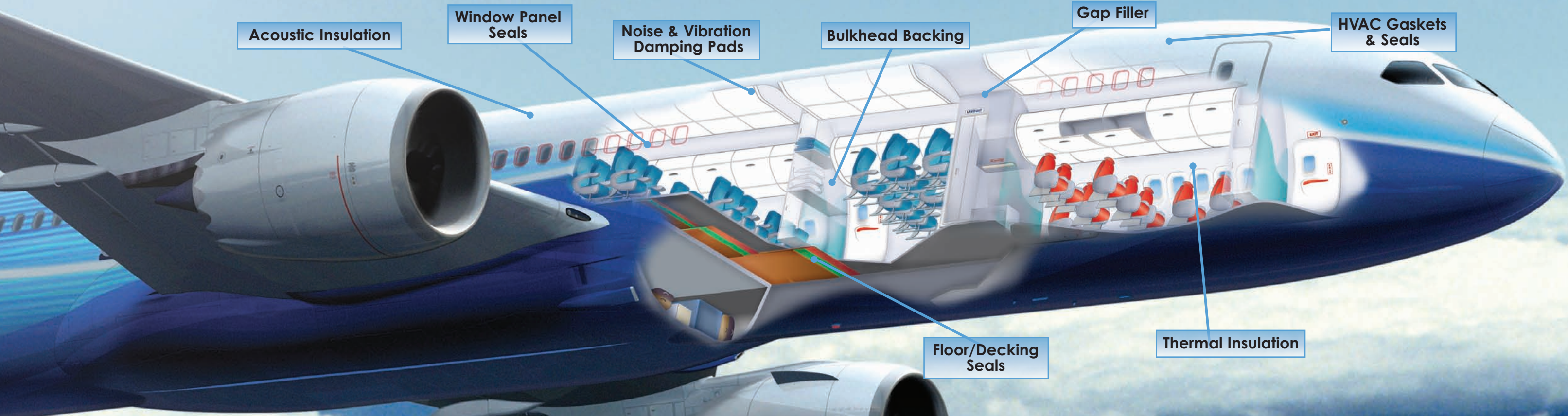
GLOBAL SPECIFICATIONS

	FAR 25.853	FAR 25.856	ABS 5006	ABS 5026	BMS 1-68	AMS 3195
CELLULAR SILICONES						
BF-1000	✓				✓	
BF-1005 (A)	✓		✓		✓	
HT-800	✓					✓
HT-805 (A)	✓					✓
L3-A	✓	✓				
FPC	✓	✓		✓		
SPECIALTY SILICONES						
HT-6360	✓	✓				
HT-200	✓	✓				

TYPICAL PERFORMANCE PROPERTIES

	Density, lb/ft ³ (kg/m ³) ASTM F 1315	Compression Force Deflection, psi (kpa) @ 25% Deflection ASTM D 1056	Compression Set, % @ 212°F (100°C) ASTM D 1056	Operating Temperatures Rogers Internal °F (°C)	Application Value	
CELLULAR SILICONES	BF-1000	12 (192)	3 (21)	2	-67 to 392 (-55 to 200)	Lowest weight cellular silicone solution
	BF-1005 (A)	12 (192)	3 (21)	2	-67 to 392 (-55 to 200)	BF-1000 with acrylic adhesive for bonding to difficult substrates
	HT-800	22 (352)	9 (62)	4	-67 to 392 (-55 to 200)	Half the weight of traditional silicone sponge
	HT-805 (A)	22 (352)	9 (62)	4	-67 to 392 (-55 to 200)	HT-800 with acrylic adhesive for bonding to difficult substrates
	L3-A (*Development*)	14.5 (232)	5 (34)	2	-67 to 392 (-55 to 200)	Similar firmness of HT-800 at 1/3 less weight
	FPC (Fire Protective Covering) Cellular Silicone elastomer cast directly onto reinforcing fiberglass layer	Density ASTM F 1315 32 pcf	Dielectric Breakdown ASTM D 149-90 1100 Volts	Flame Spread (I_s) ASTM E 162 <5	Smoke Density Flaming D _s ASTM E 662 <75 (4 minutes) <25 (1.5 minutes)	Resists burn-through of flames as high as 1900°F (1038°C) while reducing the spread of flames to other areas
SPECIALTY SILICONES	HT-6360 Low Flame, Smoke and Toxicity Solid Silicone Material	Durometer Shore "A" (pts) ASTM D 2240 65	Flame Resistance UL 94 V-0 ≥0.020"	Flame Spread (I_s) ASTM E 162 <10	Smoke Density Flaming D _s ASTM E 662 <30 (4 minutes) <5 (1.5 minutes)	Solid silicone that meets FAR 25.856 Part 25, Appendix F-Part VI
	HT-200 Acoustic Barrier	Areal Density 1.50 psf 1.00 psf 0.75 psf 0.50 psf	Sound Transmission Loss Rating ASTM E 90 29 27 25 22	Flame Spread (I_s) ASTM E 162 <15	Smoke Density Flaming D _s ASTM E 662 <75 (4 minutes) <5 (1.5 minutes)	Engineered filler in solid silicone matrix provides enhanced acoustic barrier and damping solutions while maintaining low flame, smoke and toxicity properties

Typical values should not be used for specification limits.





High Performance Foams Division

Carol Stream, IL, USA

Tel: 630.784.6200 Fax: 630.784.6201 Cust. Orders Toll Free: 800.237.2068

Samples, Literature, Tech Support Toll Free: 800.935.2940



The Quality Management System at the Carol Stream facility is Registered to ISO 9001:2000 Certificate No. A-5857.

www.rogerscorporation.com

BISCO® SILICONES PRODUCT AVAILABILITY

	Material	Thickness, in. (mm)	Width, in. (mm)	Closed Cell	Standard Colors
CELLULAR SILICONES	BF-1000	0.062 - 1.00 (1.57 - 25.40)	36 (914)	No	White & Gray
	BF-1005 (A)	0.062 - 1.00 (1.57 - 25.4)	36 (914)	No	White & Gray
	HT-800	0.031 - 0.500 (0.79 - 12.70)	36 (914)	Yes	Gray, Black & Red
	HT-805 (A)	0.031 - 0.500 (0.79 - 12.70)	36 (914)	Yes	Gray, Black & Red
	L3-A	0.394 - 0.630 (10.0 - 16.0)	36 (914)	Yes	Blue Streak
	FPC	0.062 - 0.250 (1.57 - 6.35)	36 (914)	Yes	White
SPECIALTY SILICONES	HT-6360	0.020 - 0.125 (0.51 - 3.18)	36 (914)	Solid	Black
	HT-200	Sold by density (0.50 - 1.50 lbs/ft ³), not thickness. Also available with adhesive (one side only) and/or fiberglass on one or two sides		Solid	Black

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