



BISCO[®] HT-200 Sound Block Silicone

BISCO[®] HT-200 sound block silicone combines the best noise reduction capabilities with superior fire resistance. The material is designed to reduce sound transmission in interior spaces while preventing the spread of fire and smoke.

Technical Data Sheet

Features & Benefits:

- Flame ratings ensure compliance to international safety standards for Mass Transit, Marine and Aerospace.
- Sound transmission can be "tuned" by adjusting the areal density. See tables for reference.
- Rubber elastomer has good tear strength with excellent resistance to UV light, moisture, and cleaning agents.
- Maintains properties at temperatures between -55°C and 250°C (-67°F and 482°F).

PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**	
PHYSICAL				
Color	Visual	Black		
Areal Density, kg/m ² (lb./ft ²)	Internal	1.22-7.32 (0.25-1.50)		
Specific Gravity	Internal	2.05 +/- 0.03		
PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**	
FLAMMABILITY				
Limited Oxygen Index	ASTM D2863		50	
Flame Spread Index (Is)	ASTM E162	Meets	Flaming Mode <5	
Smoke Density (Ds)	ASTM E662	Meets	Ds Flaming <25 Ds Non-Flaming <25	
Toxic Gas Evolution	SMP 800C	Meets		
PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**	
THERMAL				
Temperature Range, °C (°F)	Internal	-55 to +250 (-67 to +482)		
Thermal Conductivity, W/m °K	ASTM D518	0.8		



The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. 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 Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers BISCO products for each application. The Rogers logo, BISCO, and the BISCO logo are trademarks of Rogers Corporation or one of its subsidiaries. © 2005, 2006, 2009, 2016, 2022 Rogers Corporation. All rights reserved. 1122-PDF • Publication #180-105 www.rogers.com



Sound Transmission Loss Typical of HT-200 at Various Weights								
Test Method	Typical Sound Transmission Loss Rating	Areal Density		Approximate Thickness				
		kg/m ²	psf	mm	inch			
ASTM E90	29	7.32	1.50	3.81	0.150			
ASTM E90	27	4.88	1.00	2.54	0.100			
ASTM E90	25	3.66	0.75	1.91	0.075			
ASTM E90	22	2.44	0.50	1.27	0.050			
ASTM E90	16	1.22	0.25	0.64	0.025			

Acoustic Transmission Data – ASTM E90 and ASTM E413								
FREQUENCY	1.22 kg/m² (0.25 PSF) TL	2.44 kg/m ² (0.50 PSF) TL	4.88 kg/m ² (1.00 PSF) TL	7.32 kg/m ² (1.50 PSF) TL				
100	8	15	19	20				
125	7	12	14	15				
160	7	12	17	18				
200	8	12	16	19				
250	8	14	19	21				
315	8	13	19	20				
400	10	15	20	23				
500	11	16	22	24				
630	13	19	24	26				
800	14	21	26	28				
1000	16	22	28	30				
1250	17	24	30	33				
1600	19	26	21	34				
2000	21	27	33	36				
2500	22	29	34	38				
3150	23	31	36	40				
4000	25	31	38	41				
5000	27	32	40	43				
STC	16	22	27	29				

FREQUENCY = Hertz (cps.) TL = Transmission Loss, dB STC = Sound Transmission Class

To order BISCO materials, please contact our Sales Specialists at 860.928.3622 or via email at EMS_CT_cust_serv@rogerscorporation.com



The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. 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 Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers BISCO products for each application. The Rogers logo, BISCO, and the BISCO logo are trademarks of Rogers Corporation or one of its subsidiaries. © 2005, 2006, 2009, 2016, 2022 Rogers Corporation. All rights reserved. 1122-PDF • Publication #180-105 www.rogerscorp.com