

BISCO® RS-700 SERIES

CONTINUOUS ROLL CLOSED-CELL SILICONE SPONGE

PROPERTY	TEST METHOD	RS-720	RS-750	RS-770
PHYSICAL		TYPICAL PROPERTIES ¹		
DENSITY, kg / m ³ (lb. / ft ³)	ASTM D 3574	280 (17.5)	384 (24)	465 (29)
COMPRESSION FORCE DEFLECTION SPECIFICATION RANGE, kPa (psi)	ASTM D 1056	34.5-62 (5-9)	41.4-96.5 (6-14)	82-138 (12-20)
COMPRESSION SET	ASTM D 1056, 22 hours @ 100°C 50% compressed, 24 hours recovery	<5%	<15%	<15%
TENSILE STRENGTH, Mpa (psi)	ASTM D 3574 Test D, 70°C	0.52 (75)	0.62 (90)	0.76 (110)
ELONGATION TO FAILURE, %	ASTM D 412	175	135	130
WATER ABSORPTION, %	ASTM D 1056	<3	<3	<3
WATER SEALING AT 30% COMPRESSION	Water Pressure: 1.5 psi (10.3 kPa) / Gasket Width: 0.250 in (6.35 mm), Gasket Thickness: 0.125 in (3.175 mm)	No Leakage	No Leakage	No Leakage
STANDARD COLORS		Fog Gray	Steel Gray	Charcoal Gray
TEMPERATURE RESISTANCE				
RECOMMENDED CONSTANT USE, Max °C (Max °F)		205°C (401°F)	205°C (401°F)	205°C (401°F)
RECOMMENDED INTERMITTENT USE, Max °C (Max °F)		260°C (500°F)	260°C (500°F)	260°C (500°F)
LOW TEMPERATURE BRITTLENESS, °C (°F)	ASTM D 746	-55°C (-67°F)	-55°C (-67°F)	-55°C (-67°F)
FLAMMABILITY				
FLAME RESISTANCE, (Pass >= mm (inch))	FMVSS 302	1.6 (0.063)	0.8 (0.031)	0.8 (0.031)
CERTIFICATIONS				
TEST STANDARD		ASTM D 1056 2D2	AMS 3195	AMS 3196
UL CERTIFICATION	Gasket and Seals JMLU2	UL50, UL50E and UL157		

Note: Typical values are a representation of an average value of the property for a given population of the product. For specification values, contact Rogers Corporation.

¹ Typical properties based on 0.250" samples.

THICKNESS MM (IN)	RS-720	RS-750	RS-770
TOLERANCE			
4.76 (0.188) - 6.35 (0.250)	±0.020"	±0.020"	±0.020"
9.53 (0.375)	±0.031"	±0.031"	±0.031"
12.70 (0.500)	N/A	±0.059"	±0.059"

FEATURES

- High tensile strength
- Closed cell
- Smooth skin surface
- Continuous roll

BENEFITS

- Won't tear in extreme conditions
- High sealability
- Ease of adhesive application
- Better machine utilization

- All metric conversions are approximate.
- Additional technical information may be available.
- All BISCO Test Procedures are available for review. Please contact your Rogers Sales Engineer.

WWW.ROGERSCORP.COM

ROGERS CORPORATION-HIGH PERFORMANCE FOAMS DIVISION US 800.935.2940 | Europe +32.9.235.36.11 | Asia +86.512.6258.2700

The information contained in this Data Sheet is intended to assist you in designing with Rogers' High Performance BISCO Silicone foam materials. 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 BISCO Silicone foam materials for each application. The Rogers logo, The world runs better with Rogers and BISCO are licensed trademarks of Rogers Corporation. ©2013, 2014 Rogers Corporation, All rights reserved. Printed in U.S.A. 0114-PDF. Publication #180-294

The world runs better with Rogers.®