

BISCO® RS-720

Continuous Roll Closed-Cell Silicone Sponge – Data Sheet



STOCKWELL ELASTOMERICS
 MANUFACTURING SOLUTIONS THROUGH ENGINEERED MATERIALS

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PROPERTY	TEST METHOD	TYPICAL PROPERTIES	
Density, kg / m ³ (lb. / ft ³)	ASTM D 3574	280 (17.5)	
Thickness, mm (in)		2.4 (0.094)	3.2-12.7 (0.125 – 0.500)
Compression Force Deflection Specification Range, kPa (psi)	ASTM D 1056	34.5-82.7 (5 - 12)	31-62 (4.5 - 9)
Compression Set, %	ASTM D 1056 22 hours @ 100°C, 50% compressed, 24 hours recovery	<15	
Tensile Strength, MPa (psi)	ASTM D 412	0.52 (75)	
Elongation to Failure, %	ASTM D 412	175	
Water Absorption, %	ASTM D 1056	<3	
Water Sealing Properties	Water pressure: 10.3 kPa (1.5 psi) Gasket width: 6.34 mm (0.250") Compression: 30% Gasket thickness: 3.175 mm (0.125")	No Leakage	
Standard Color		Fog Gray	
TEMPERATURE RESISTANCE			
Recommended Constant Use, Max °C (Max °F)		205°C (401°F)	
Recommended Intermittent Use, Max °C (Max °F)		260°C (500°F)	
Low Temperature Brittleness, °C (°F)	ASTM D 746	-55°C (-67°F)	
Thermal Conductivity, w/m K (BTU in hr/ft ² /F)	ASTM C 518	0.07 (0.48)	
FLAMMABILITY			
Flame Resistance, pass >= mm (inch)	FMVSS 302	2.4 (0.094)	
CERTIFICATIONS			
UL Certification	Gaskets & Seals JMLU2	UL50, UL50E, UL508 & UL157	
TOLERANCE, mm (in)			
2.4-6.35 (0.094-0.250)		±0.51 (±0.020)	
9.53 (0.375)		±1.14 (±0.045)	
12.70 (0.500)		±1.49 (±0.059)	

¹Typical values are a representation of an average property value of a given population of the product.
 All metric conversions are approximate.
 Typical properties are based on 6.35mm (0.250") sample.
 For specification values, please contact Rogers Corporation.