

BISCO® RS-870 Soft

BISCO® RS-870 Soft silicone sponge embodies the transition in the BISCO Silicone Cellular series from soft and conformable to firm and durable. It simultaneously retains the lightness of a foam while exhibiting the enhanced sealing capabilities of a traditional sponge rubber. Patented chemistry and cell structure provide long term performance advantage.

Features & Benefits, applicable to all BISCO® Cellular Materials

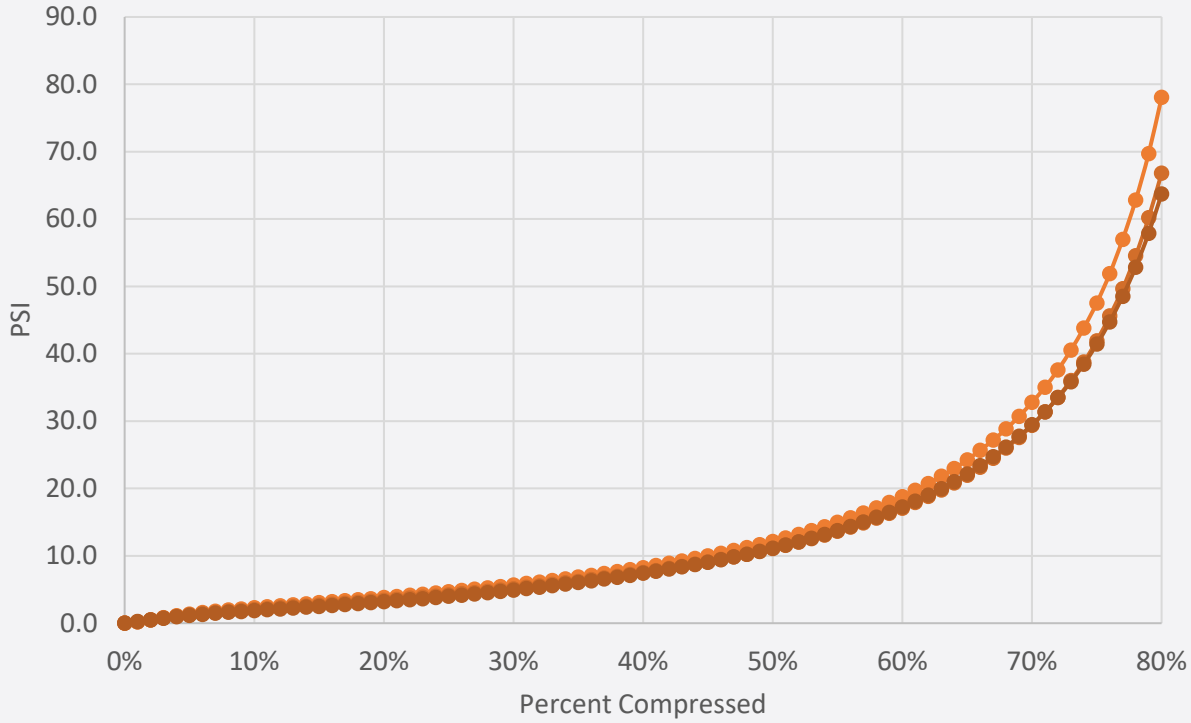
- Temperature independency
- UV/Ozone resistance
- Good compression set resistance

PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**
PHYSICAL			
Color	Visual	Gray	---
Thickness, mm (inches)	Internal	2.4-12.7 (0.094-0.500)	See Standard Thickness Tolerances Table
Density, kg/m ³ (lb./ft ³)	Internal	256 (16)	192- 352 (12 - 22)
Compression Force Deflection, kPa (psi)	ASTM D1056	34 (5)	13.8 - 48 (2- 7)
Compression Set, %	ASTM D1056 100°C (212°F) / 22 hrs / 50%	3.5	< 5
Water Absorption, %	ASTM D1056	1.0	< 5
THERMAL			
Temperature Range °C (°F)	Internal	- 55 to +200 (-67 to +392)	---
Low Temperature Brittleness	ASTM D746 -55°C (-67°F) / 3 min	---	Pass
FLAMMABILITY			
Flame Resistance	UL94	QMFZ2.E83967	V0 ; HB

*Typical Value – Value is based on historical data, please note the frequency of testing varies.

Specification- Applies to physical properties only, which are based on Rogers' internal benchmark and standard BISCO specification values. Specification values in **bold are tested on a batch basis. All other properties, flammability, thermal, etc, are based on industry standard guidelines.

RS-870



—●— RS-870 0.125 —●— RS-870 0.188 —●— RS-870 0.250

Standard Thickness Tolerances

NOMINAL THICKNESS	TOLERANCE
mm (inches)	mm (inches)
2.39 (0.094)	+/- 0.508 (+/- 0.020)
3.18 (0.125)	+/- 0.635 (+/- 0.025)
4.78 (0.188)	+/- 0.635 (+/- 0.025)
6.35 (0.250)	+/- 0.762 (+/- 0.030)
9.53 (0.375)	+/- 1.143 (+/- 0.045)
12.7 (0.500)	+/- 1.270 (+/- 0.050)