

BISCO® RS-820

Firm

BISCO® RS-820 Firm 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

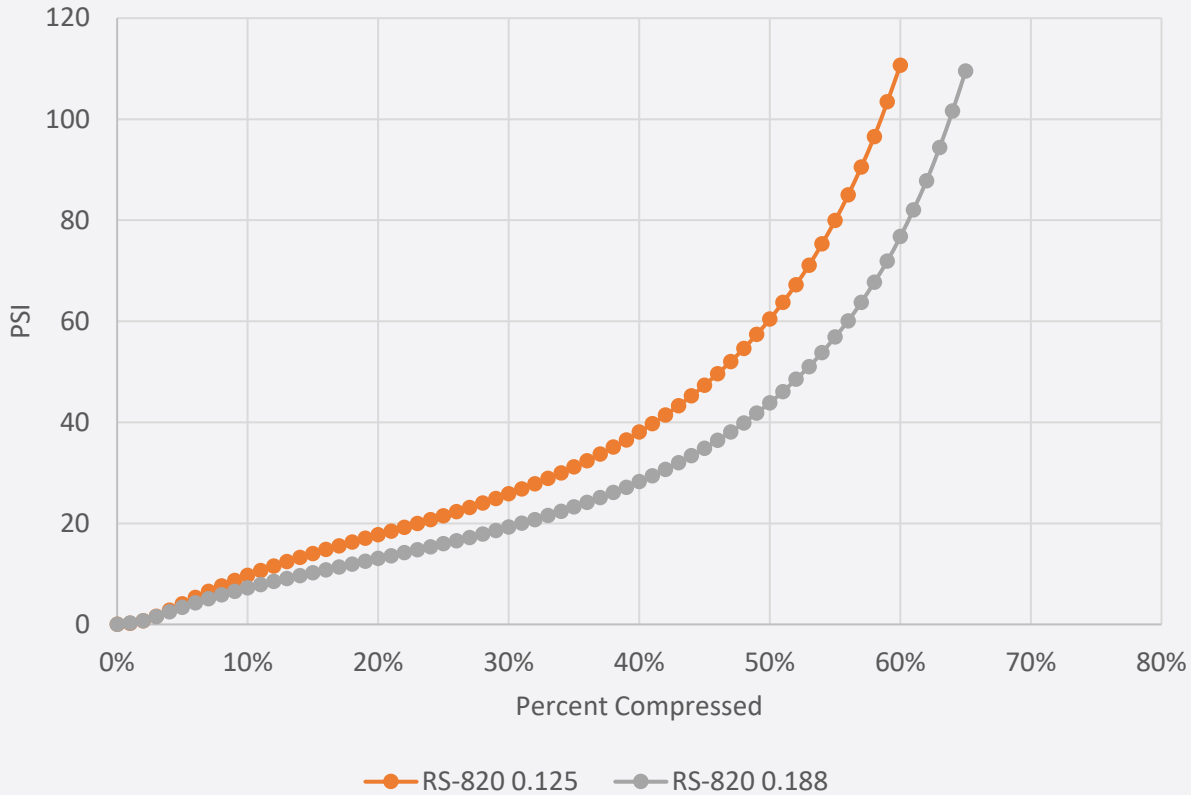
PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**
PHYSICAL			
Color	Visual	Gray	---
Thickness, mm (inches)	Internal	1.6-12.7 (0.063-0.500)	See Standard Thickness Tolerances Table
Density, kg/m ³ (lb./ft ³)	Internal	481 (30)	320 - 513 (20 - 32)
Compression Force Deflection, kPa (psi)	ASTM D1056	155 (22.5)	83 - 138 (12 - 20)
Compression Set, %	ASTM D1056 100°C (212°F) / 22 hrs / 50%	4.0	< 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.

All metric conversions are approximate. Reference US customary units for official values and tolerances.

RS-820



Standard Thickness Tolerances

NOMINAL THICKNESS	TOLERANCE
mm (inches)	mm (inches)
#X" (0." (%	+/- 0.' " * (+/- 0.02")
\$Z/+ (0." +&)	+/- 0.' " * (+/- 0.02")
%#* (0.#\$')	+/- 0.(% (+/- 0.0\$')
&)* (0.#*')	+/- 0.635 (+/- 0.025)
(Z% (0.\$' " fi	+/- 0.) (\$ (+/- 0.0%)
+Z % (0.%)' fi	+/- #Z&% (+/- 0.0&')
#\$Z (0.' " " fi	+/- #Z\$) " (+/- 0.0' 0)