

## TECHNICAL DATASHEET: RS-840 Very Firm Cellular Silicone Sponge

### PRODUCT DESCRIPTION

Bisco® RS-840 is a very firm silicone sponge that retains the lightness of a foam while exhibiting enhanced sealing capabilities of a traditional sponge rubber. RS-840 is an alternative to HT-840

### TYPICAL APPLICATIONS

- Environmental seals to protect against penetration of dust, moisture, air, or light within outdoor enclosures such as lightning features, HVAC units, and electronic cabinets
- Enclosures requiring a more durable, high closure force gasket
- Press pads requiring greater conformability and even pressure distribution at high temperatures

### PRODUCT FEATURES & BENEFITS

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

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/8", 3/16"	
COLOR	Gray	
MATERIAL/SUBSTRATE	Silicone Sponge	
DENSITY	30 lb/ft <sup>3</sup>	
COMPRESSION FORCE DEFLECTION	22.5 psi	ASTM D1056
COMPRESSION SET, 22 HOURS @ 212°F @ 50%	4.0%	ASTM D1056
WATER ABSORPTION	1.0%	ASTM D1056
TEMPERATURE RANGE	-67°F to 392°F	
LOW TEMPERATURE BRITTLENESS	-67°F	ASTM D746
UL 94 V-0	Pass	Meets at third party lab
UL 94 HF-1	Pass	Meets at third party lab
UV RESISTANCE	Yes	
OZONE RESISTANCE	Yes	

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**