



BISCO® RS-800 Series

The BISCO® RS-800 series is comprised of highly resilient closed-cell silicone sponges that provide high performance sealing in industrial applications. The series exhibits excellent flame resistance, a low compression set below 5% and very high tensile strength and elongation.

These properties make the BISCO RS-800 series an ideal solution for gasketing and sealing, gap filling and vibration dampening in a variety of general industrial applications, including electrical enclosures, lighting fixtures, and transportation.

BISCO RS silicone sponge is sold exclusively through the Rogers Preferred Converter network.



BISCO RS-800 silicone sponge achieves good sealing with relatively low compression. Well-suited for applications requiring a static seal or low cycling, the materials have a high tensile strength and tear resistance, which are beneficial in cases where a robust material is desired.

TYPICAL APPLICATIONS

- Door Seals
- Gas Smart Meters
- Outdoor Enclosures
- Electrical Enclosure Seals
- Gap Fillers
- LED Gaskets
- Pipeline Insulation
- HVAC Seals and Gaskets

ADVANTAGES

Silicone sponges perform exceptionally well in applications such as outdoor gasketing or washdown environments when a robust material is needed. As compared to silicone foam, silicone sponges have higher physical and mechanical properties and are more resilient.



DURABILITY

Designed to withstand the harshest applications and most extreme conditions. High tensile strength and tear resistance paired with typical silicone properties enable consistent performance over long periods.



SAFETY

Will not contribute to a fire due to flame resistant properties. The material meets UL94 and testing for UL157 JMLU2 in process.



TEMPERATURE STABILITY

Rated for constant use from -55°C (-67°F) up to 205°C (401°F).



WATER SEALING

Good water sealing properties as the sponges can seal against water at conditions as low as 20% compression.



EFFICIENCY

Improved manufacturing efficiency through continuous roll die-cutting, enabling better yields.



TECHNICAL SUPPORT

Our technical service team is ready to help determine the best material solution for your application needs.

AVAILABILITY

BISCO RS-800 series materials come in a continuous roll form with an optional acrylic adhesive, are available in four firmness grades, and a thickness range of 1.59 - 12.7 (0.063 - 0.500 inch) 2.38 - 12.7 (0.094 - 0.500 inch for RS-870 very firm).

The material has micro-talc on one side with paper interleave, leaving the other side clean to apply adhesive. The material is available with an optional acrylic adhesive. Speak with your Rogers Sales Engineer for more lamination guidance.

To request a product sample, please contact your Rogers Sales Engineer or the Rogers Solution Center at solutions@rogerscorp.com