

Low Compression Set Silicone Sponge Rubber

Saint-Gobain NORSEAL[®] R10480S silicone sponge rubber is a low compression set closed-cell sponge that can be used in most gasketing applications. This material is flexible and compressible and designed for use in extreme temperature ranges, with excellent weatherability, compression set resistance, electrical strength and non-stick properties.

NORSEAL R10480S is specially designed to provide the following features:

- Recognized to UL 50E gaskets and seals for electrical enclosures
- Excellent compression set resistance
- Maintains its resiliency even under extended compression
- Soft density for low compression force
- Capable of meeting MIL-R-6130 Type II, Grade B and Grade C/ASTM D6576 Type 2, Grade B and Grade C/MIL-R-46089/ASTM D1056 Type 2, Class A and D

Available Sizes

Thickness in. (mm)	.094 (2.38)	.125 (3.18)	.188 (4.76)	.250 (6.35)	.375 (9.53)	.500 (12.7)
Continuous Roll 36 in. (914 mm)	•	•	•	•	–	–
Sheets 36 in. x 36 in. (914 mm x 914 mm)	•	•	•	•	•	•



Applications

- Missiles
- Drones
- Digital signage
- Walkie-talkies
- Environmental gasketing

NORSEAL® R10480S (Soft) – Properties

(Formerly known as COHRLastic R10480S)

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Property	Test Method	Typical Value
Compression Deflection: psi (kPa)	ASTM D1056	5 (35)
Elongation: %	ASTM D412	75%
Tensile Strength: psi (kPa)	ASTM D412	50 (345)
Compression Set: %	ASTM D1056	5%
Density: lbs./ft. ³ (kg/m ³)	ASTM D3574	21 (332)
Water Absorption: %	ASTM D471	<5%
Operating Temperature: °F	–	-100 to +500
Color	–	Orange/Red

Options (subject to minimum order requirements)

Acrylic or silicone pressure-sensitive adhesive (PSA) available in sheet format only.

Important Instructions

- Because Saint-Gobain cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.
- When using PSA options, surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface. Do not remove liner until tape is in proper position. Avoid touching adhesive surface before application.
- Recommended service temperature of base sponge is -100°F to 500°F (-73°C to 260°C).

Shelf Life

10 years after the date of sale for base material when stored in original packaging at temperatures up to 70°F (21°C) and 50% relative humidity (see the applicable data sheets for pressure-sensitive adhesive options).

NORSEAL® is a registered trademark of Saint-Gobain Performance Plastics.



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Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s).

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