

Silicone Sponge Rubber

Saint-Gobain NORSEAL[®] R10470F silicone sponge rubber is a specification grade 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 R10470F is specially designed to provide the following features:

- Capable of meeting AMS 3196 closed-cell Specification
- UL-recognized weather seal gasket
- Capable of meeting MIL-R-6130 Type II, Grade B and C/ASTM D6576 Type 2, Grade B and C/MIL-R-46089/ASTM D156 Type 2, Class A and D

Available Sizes

Thickness in. (mm)	.063 (1.59)	.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

- Commercial lighting
- Gasket spacers
- Access panels
- Electronics

NORSEAL® R10470F (Firm) – Properties

(Formerly known as COHRLastic R10470F)

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	16 (110)
Elongation: %	ASTM D412	200%
Tensile Strength: psi (kPa)	ASTM D412	130 (897)
Compression Set: %	ASTM D1056	15%
Density: lbs./ ft. ³ (kg/m ³)	ASTM D3574	43 (692)
Water Absorption: %	ASTM D471	<5%
Operating Temperature: (°F)	–	-100 to +500
Color	–	Orange/Tan

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 option, 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.



Saint-Gobain Performance Plastics

14 McCaffrey St.
Hoosick Falls, NY 12090
1-800-962-2666
Tel: (518) 686-7301
Fax: (518) 686-4840

foams@saint-gobain.com
www.foams.saint-gobain.com

The data and details in this document were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. It is the user's responsibility to obtain the latest version of the product data sheet. This data sheet is not a specification and does not assure specific product characteristics or make reference to the suitability of the product for a specific application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions. The application, use and conversion of this product are the user's responsibility.

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).

SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.