

Providing protection in your environment



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

(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).

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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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