

# R10480M (MEDIUM)

## Low Compression Set Silicone Sponge

**Saint-Gobain® Norseal®** R10480M Silicone Sponge Rubber is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with 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** R10480M is specially intended to provide the following features:

- Capable of meeting AMS 3195 closed-cell specification
- Excellent compression set resistance
- Maintains its resiliency even under extended compression
- Capable of meeting MIL-R-6130 Type II, Grade B and Grade C/ASTM D6576 Type 2, Grade B and Grade C, ASTM D1056 Type 2, Class A, D. Contact plant for specific grades
- Meets FDA 21 CFR 177.2600

### 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. × 36 in. (914 mm × 914 mm)	•	•	•	•	•	•	•



### APPLICATIONS

- Missiles
- Drones
- GPS
- Walkie-talkies
- Environmental gasketing

**Norseal R10480M (Medium) – Properties**

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	10 (70)
Elongation: %	ASTM D412	125%
Tensile Strength: psi (kPa)	ASTM D412	75 (518)
Compression Set: %	ASTM D1056	5%
Density: lbs./ ft. <sup>3</sup> (kg/m <sup>3</sup> )	ASTM D3574	29 (470)
Water Absorption: %	ASTM D471	<5%
Operating Temperature: (°F)	-	-100 to +500
Color	Visual	Brown

**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**

120 months from date of shipment for base material when stored in original packaging at temperatures up to 70°F (21°C), < 50% relative humidity, and away from direct sources of heat and direct sunlight. (See the applicable data sheets for pressure sensitive adhesive options).

**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

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