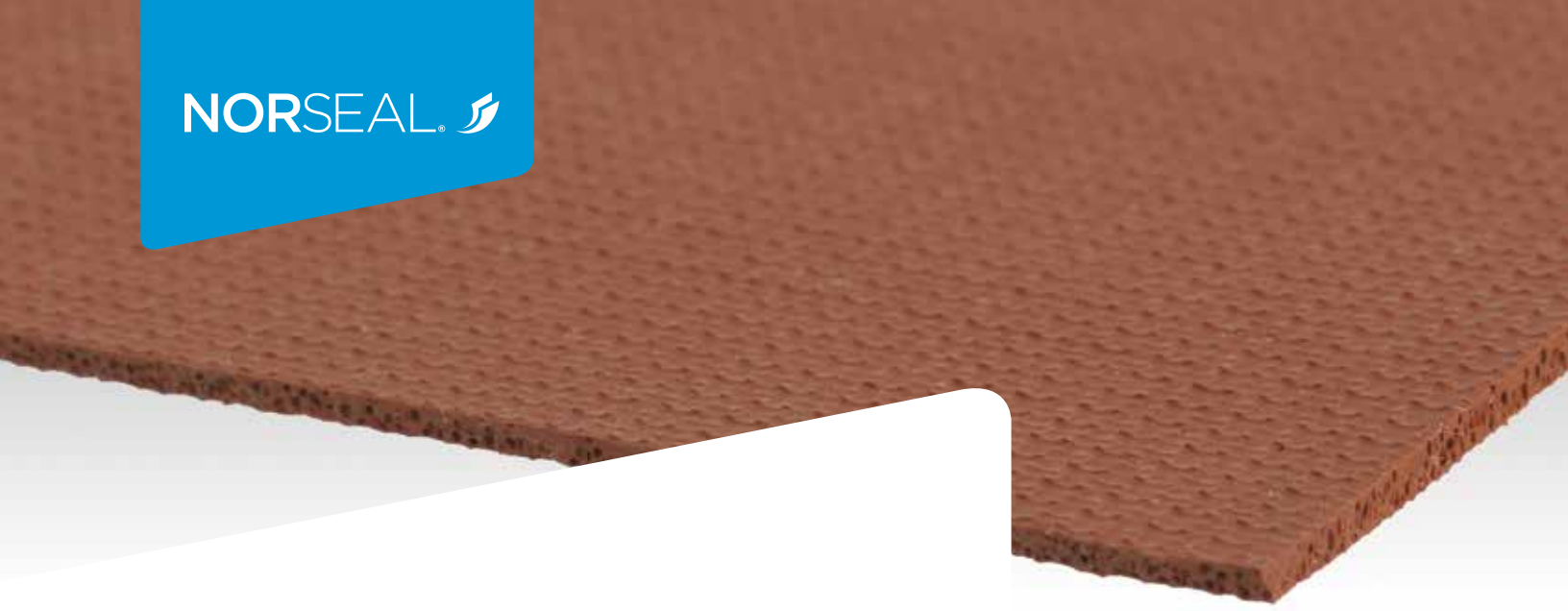

R10470M (Medium)

Sponge Silicone Rubber

Saint-Gobain® Norseal® R10470M silicone sponge rubber is a specification grade closed-cell silicone 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 R10470M is specially designed to provide the following features:

- Capable of meeting AMS 3195 closed-cell specification
- UL-recognized weather seal gasket
- 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, D. Contact plant for specific grades
- Meets FDA 21 CFR 177.2600



APPLICATIONS

- Commercial lighting
- Medical equipment
- Space equipment
- Electronics

Available Sizes

Thickness in. (mm)	.031 (.79)	.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)	•	•	•	•	•	•	•	•

Norseal R10470M (Medium) — Properties

(Formerly known as COHRlastic® R10470M)
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	150%
Tensile Strength: psi (kPa)	ASTM D412	90 (621)
Compression Set: %	ASTM D1056	15%
Density: lbs./ ft.^{3} (kg/m^3)	ASTM D3574	29 (470)
Water absorption: %	ASTM D471	<5%
Operating Temperature: (°F)	–	-100 to +500
Color	–	Orange/Tan (Black/Gray is an option)

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

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).

If interested in roll format, please see **Norseal** Silicone Tape Series (SNS 100S or 200A).

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The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE.

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