

SILICONE RUBBER

FOR GASKET, ANTI-VIBRATION, INSULATION, SEALING,
STRIPPING AND FABRICATED APPLICATIONS

FEATURES & BENEFITS OF SILICONE RUBBER

- 1 Thermally stable over a wide range of temperatures (-60°C to 230°C)
- 2 Heat aging characteristics: Excellent
- 3 Ozone and UV resistance: Excellent
- 4 Weathering characteristics: Excellent
- 5 Oxidation resistance: Excellent
- 6 Resistance to alkali substances: Excellent
- 7 Electrical insulating properties: Excellent
- 8 Thermal insulating properties: Excellent
- 9 Food Safe: Yes
- 10 Oil Resistance: Good

ABOUT US

National Silicone specializes in supplying solid silicone sheet and closed cell silicone sponge/foam sheet. Our products are designed for premium performance and are an ideal choice for gaskets, seals and vibration management applications in industries ranging from automotive to food & beverage to military & defense. Produced at a former Dow Corning facility, we understand quality and consistency are the key to reliability which leads to material success in critical applications.

DISTRIBUTION

With stocking partners in Santa Ana, CA; Houston, TX and Columbus, OH, National Silicone is able to provide local, regional and national companies access to one of the largest inventories of silicone sheet materials in the U.S.



SILICONE PRODUCTS

01

Solid Sheet

Manufactured in continuous rolls, National Silicone offers 3 grades of silicone sheet; Commercial, FDA and Military (ZZ-R). All possess excellent performance characteristics and are an outstanding choice for many gasket or sealing applications.

02

Automotive Foam

Our medium density automotive silicone foam is approved and listed for GMW16392 Class 2 Type 2 on the international General Motors MATSPC database. In areas such as tensile strength and elongation the product far exceeds any minimum requirements or expectations.

03

Sponge Sheet

Offering soft, medium (AMS3195) and firm (AMS3196) density closed cell silicone sponge. These products are manufactured in continuous rolls, with a fabric impression surface finish on both sides. Delivering exceptional performance, these materials are highly versatile and best suited for gasket, insulation or vibration damping applications.

SILICONE APPLICATIONS

1

Gaskets - Used to prevent leakage into (or from) the joined objects while under compression.

2

Noise Reduction - Used for acoustic dampening and to reduce high volume sound.

3

Vibration Dampening - Used to reduce the amount of energy that's produced by a given product.

4

Sealing - Due to the rubber's flexible nature silicone can be used for precise sealing needs.

5

Insulation - Silicone rubber is designed to stop the process of heat and electricity from spreading.

6

Thermal Insulation - Stops unwanted heat from entering through to the other side of an application.

7

Thermal Shielding - Can act as a shield by absorbing excess heat.

8

Lighting - Protects light enclosures from a range of elements (water, dust and moisture, high temperatures).

CONTACT US TODAY!



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