

**GMW MATSPC
APPROVAL**

GMW16392
Class 2 Type 2

SILICONE FOAM

MEDIUM DENSITY AUTOMOTIVE SILICONE FOAM

National Silicone's new automotive purposed silicone foam (30-SIL-MFM) was approved and listed for GMW16392 Class 2 Type 2 on the international General Motors MATSPC database. Leveraging 10+ years of experience and engineering capability, we developed a silicone foam fully meeting the demanding GMW standard. In areas such as tensile strength and elongation the product far exceeds any minimum requirements or expectations.

Special properties of this material make it outstanding for applications in the automotive market. Special properties include low compression set, excellent water impermeability under high and low temperatures, and resistance to long-term environmental conditions.

**READY TO SHIP
TO YOUR LOCATION**



1-888-814-6599



sales@nationalsilicone.com



nationalsilicone.com

RECHARGEABLE ENERGY STORAGE SYSTEMS

This silicone foam also meets the rechargeable energy storage systems (RESS) requirements for compression set and water impermeability, making it safe to use in electric and hybrid electric vehicles. Best suited for use in fluid and dust seals, vibration isolation and battery cell alignment.

WHY USE SILICONE FOAM

Our silicone foam rubber is an excellent choice for a broad spectrum of automotive interior and exterior applications. It's high-performance properties include:

- ▶ Impressive working temperature range: -103 to 450°F.
- ▶ Outstanding environmental resistance: chemicals, water, wind, rain, salt, abrasion and ultraviolet radiation.
- ▶ Remarkable sealing ability: provides a watertight seal and is not negatively affected by fresh or saltwater.

All told, silicone this material delivers the strength, resistance and durability automotive manufacturers can rely on for their quality needs.

AUTOMOTIVE APPLICATIONS

This material is used as a primary seal for air, dust, and fluids, where exposure to high temperatures and/or low compression set is required. Potential uses include:

- ▶ Battery seals
- ▶ Radiator seals
- ▶ Headlamps seals
- ▶ High temperature li-ion battery seal
- ▶ Engines gaskets

GMW16392 SPECIFICATION DESCRIPTION

This specification covers silicone foam materials used for sealing various components within vehicles. These silicone foam materials are recommended for applications where the operating temperature range is -55 °C to +200 °C. Materials can be produced in continuous rolls, sheets, or cast bun blocks.

Material Class II: Closed Cell Foam.

Material Definition: Type 2 – This is a medium modulus (medium cellular) foam, which can be easily compressed and used as noise isolation and as an air, dust, and fluid seal.

CONTACT US TODAY!

- ☎ 1-888-814-6599
- ✉ sales@nationalsilicone.com
- 🌐 nationalsilicone.com

National Silicone, part of GCP's Family of Brands

NS NATIONAL
SILICONE

PREMLENE
SHEET RUBBER

RUBATEX

GCP
INDUSTRIAL PRODUCTS