

R-10490

Fluorosilicone Sponge

Saint-Gobain Performance Plastics R-10490 medium silicone sponge rubber is a fluorosilicone 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. R-10490 is often chosen as the material of choice for applications containing oils and fluids that would degrade normal elastomers.

Typical Properties

Compression Deflection (ASTM D1056) (kPa)	103
Tensile Strength (ASTM D412) (kPa)	1241
Elongation (ASTM D412) (%)	125
Compression Set (ASTM D1056) (%)	25
Density (ASTM D3574) (kg/m ³)	554
Water Absorption (ASTM D1056) (%)	<5
Temperature Range (°C)	-60 to +205

Values shown are typical. Certified test reports for writing specifications are available.

Availability

Sheet size 914mm x 914mm. Thicknesses include: 1.6, 2.4 & 3.2mm.
Special order only; please contact customer service for minimum order quantities, price and delivery.

The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. It is the user's responsibility to make sure he is in possession of the latest version of the product data sheet. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions. The application, the use and the conversion of this product are under the user's responsibility.

Application Advantages

- Capable of meeting:
 - MIL-R-6130 Type 2, Grade A, B, and C (Excluding paragraph 4.5.7 Flame Resistance)
 - ASTM D6576 Type 2 Grade A, B and C (Excluding paragraph 15 Flame Resistance)
- Standard color is blue.
- Capable of meeting AMS 3323.

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