

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) (psi)	15
Tensile Strength (ASTM D412) (psi)	180
Elongation (ASTM D412) (%)	125
Compression Set (ASTM D1056) (%)	25
Density (ASTM D3574) (lbs./in.)	0.020
Water Absorption (ASTM D1056) (%)	<5
Temperature Range (°F)	-80 – +400

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

Availability

Sheet size 36" x 36". Thicknesses include: 1/16", 3/32", 1/8".
Special order only; please contact customer service for minimum order quantities, price and delivery.

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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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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AFF-1404-PDF-0310-SGCS