

# AUBURN PRODUCT NEWS

## PRELIMINARY DATA SHEET

## R-10490 Fluorosilicone Sponge

**COHRIlastic® R-10490** from Auburn medium density silicone sponge is a fluorosilicone closed-cell sponge that can be used in most gasket 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 other sponge materials.

### Typical Properties

Property	R-10490 Fluorosilicone Sponge
Color	Blue
Density (ASTM D-3574) (lbs./in.)	0.020
Tensile Strength (ASTM D-412) (psi)	180
Elongation (ASTM D-412) (%)	125
Compression Set (ASTM D-1056) (%)	25
Water Absorption (ASTM D-1056) (%)	<5
Operating Temperature (°F)	-80°F - +400°F

*All properties are typical values and should not be used for writing specifications.*

### Availability

The standard sheet size for **R-10490** is 36" x 36" in thicknesses of 1/16", 3/32", 1/8", 3/16", 1/4", 3/8" and 1/2". Special orders are available upon request. To obtain more information about **R-10490 Fluorosilicone sponge**, please check with your Auburn Customer Service Representative.

### Application Advantages

- Capable of meeting MIL-R-6130, Grade A, Grade B and Grade C per ASTM D-6576 Type 2, Grade A,B & C.
- Standard color is blue.
- Capable of meeting AMS 3323
- Can be affixed with either a silicone or an acrylic adhesive on one or both sides.

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