

# AUBURN PRODUCT NEWS

## PRELIMINARY DATA SHEET

## R-10400 M Flame Retardant Silicone Sponge

**COHRIlastic® R-10400** from Auburn is a medium density silicone sponge rubber that is flame-retardant closed-cell sponge that can be used in most gasket applications. The unique material will pass UL-94 Flame Testing with V-0 rating from 1/8" (0.125"). 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.

### Physical Properties

Property	Test Method	R-10400 M
Color	Visual	Blue/Gray
Compression Deflection (psi)	ASTM D	6-14
Tensile Strength (psi)	ASTM D	45 min.
Elongation (%)	ASTM D	100 min.
Compression Set (%)	ASTM D	15 max.
Density (lbs./ft <sup>3</sup> )	(D297 hydrostatic method)	30-45
Water Absorption	ASTM D1056	<5
Operating Temperature (°F)	-	-100°F - +500°F
Flame Rating	UL-94	V-O Pending

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

### Recommended Uses

- Flame retardant lighting gaskets
- Electronic and environmental dust seals
- Electronic and environmental weather gaskets
- Flame retardant insulation gaskets for aircraft bulkheads
- Flame retardant vibration damping gaskets and seals

### Availability

- COHRIlastic® R-10400 sheet goods 36" x 36": 1/16", 1/8", 3/16", 1/4", 3/8", 1/2"
- Roll goods from 1/16" to 1/4"
- Available plain or with adhesive backings.

### Features

- UL 94 V-0 performance in thicknesses from ≥1/8".
- True closed-cell silicone sponge.
- Unique silicone-sponge formulation provides superior properties.

### Benefits

- Excellent performance as water-tight seal due to closed-cell structure.
- UL 94 V-0 performance in thicknesses ranging from 1/8"-1/2" .
- Silicone provides a full range of uses & excellent environmental resistance.
- Proprietary formulation creates a product with improved elongation, tensile strength and sealing potential versus other gasket materials.
- Can be affixed with pressure-sensitive adhesive on one or both sides.
- Easy to die-cut into countless shapes with low-cost steel rule dies.
- Odorless, tasteless, non-toxic and non-stick; Resists weathering, ozone and sunlight; Shelf-life is virtually unlimited.

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