

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 ³)	(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.

Auburn Manufacturing Company
29 Stack Street
Middletown, CT 06457
Customer Service: (800) 427-5387
Tel: (860) 346-6677
Fax: (860) 346-1334
Email: info@auburn-mfg.com
Website: www.auburn-mfg.com