



STOCKWELL ELASTOMERICS, INC.

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Closed Cell Silicone Sponge available in High Performance and Specialty Grades

Stockwell Elastomerics provides an extensive selection of Cohrlastic® Silicone Sponge materials for gasketing, cushioning, fluid resistance, thermal management, and ESD grounding!



SR99 01/2003

R10404-M thermally conductive sponge

R10480-S, low compression set sponge

Adhesive backings available

Closed Cell Silicones are molded or rotocured from gum based compounds.

Closed Cell Silicones

We inventory the full Cohrlastic silicone sponge product line from St. Gobain (formerly CHR Industries); the best among the field of gum-based silicone sponge products. Stockwell Elastomerics carries a broad inventory of silicone sponge materials, including products with low compression set properties, UL94HB flame ratings*, thermal conductivity, fluid and fuel resistant fluorosilicone and general purpose silicones. We regularly apply a variety of acrylic and silicone polymer based adhesive backings and offer secondary operations such as ESD surface coating, die cutting, slitting-to-width and water jet cutting.

Why Use Silicone Rubber?

Silicone Elastomerics has the combined properties of resilience, high temperature stability and general inertness unavailable in any other elastomer. Silicones are generally unaffected by extended exposure to temperatures from -100°F to 500°F, and are also unaffected by aging and degradation from sunlight and ozone.

Closed Cell Silicone Sponge Products, available from .032" through .500" thick :

Product	Grade	Avg. Force Deflection, psi**	Compression Set***	Color	Available Thicknesses, in.	Comments & Features
R-10470-M	Medium	6-14	25	Orange	.032, .062, .093, .125, .188, .250, .375, .500	High Quality/ General Purpose
R-10470-F	Firm	12-20	25	Orange	.062, .093, .125, .188, .250	High Quality/ General Purpose
R-10480-S	Soft	2-7	5	Red	.093, .125, .188, .250, .375, .500	Low Compression Set and High Temperature
R-10480-M	Medium	6-14	5	Brown	.062, .093, .125, .188, .250, .375, .500	Low Compression Set and High Temperature
R-10460-M	Medium	6-14	5	Blue/ Gray	.062, .093, .125, .188, .250, .375, .500	Low Compression Set/ Flame Retardant UL94HB
R-10450-M	Medium	6-14	25	Gray	.062, .125, .188	Fiberglass Reinforcement Provides Dimensional Stability
S470-62	Medium	6-14	10	Black (skin coating)	.032, .062, .093, .125, .188, .250, .375, .500	Conductive Silicone Surface Coating for ESD Properties (secondary process)
R-10404-M	Medium	9-16	20	Green	.032, .062, .125, .188, .250	Thermally Conductive for Heat Transfer over Irregular Surfaces
R-10490-M	Medium	9-15	40	Blue	.032, .062, .125, .188"	Fluorosilicone, Solvent and Fuel Resistant

** Force Deflection, PSI (Compressed 25% at 73°F) per ASTM D 1056.

*** Compression Set, %, (Compressed 50% for 22 hours at 212°F) per ASTM D 1056.

* For applications requiring flame ratings of UL94HF-1 and UL94V0. We suggest using foam gasketing. Some sealing properties may be compromised, however for general weather sealing, silicone foam should be sufficient.

Call us to find out more or e-mail us at service@stockwell.com for assistance.