



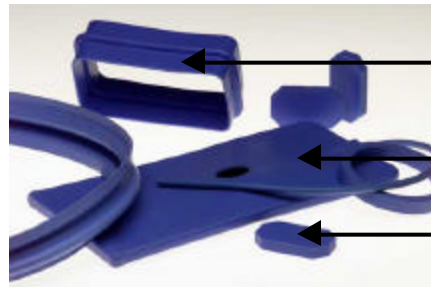
# STOCKWELL ELASTOMERICS, INC.

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## Custom Molded and Fabricated Fluorosilicone Rubber Gaskets and Pads

*Stockwell Elastomerics has solid Fluorosilicone Compounds, from 40 to 70 Shore A and closed cell Fluorosilicone sponge!*



SR97 01/2003

Molded air plenum

Backup Reservoir

Water jet cut from molded sheet

Solvent and Fuel Resistant Fluorosilicone can be molded into plenums, seals, backup reservoirs and sheets in custom thicknesses.

### Why Use Fluorosilicone Rubber?

Fluorosilicone Rubber (fluorinated silicone rubber) has the basic silicone rubber properties of resilience, high/low temperature stability and resistance to aging and degradation from sunlight and ozone. The Aerospace Industry has a particular interest in Fluorosilicone compounds as they resist Coolanol<sup>®</sup> and PAO coolant fluids. It is also resistant to jet fuel, engine oil, silicone oils and hydraulic fluids.

Our capabilities in producing Fluorosilicone Components to support Aerospace Include:

- Compression Molded gaskets, seals and custom components, in 40, 50, 60 and 70 durometer compounds.
- Custom Molded Sheets, from .032" through .375" thick with secondary water jet cutting size – ideal for fast prototyping!
- Die Cutting from Custom Molded or Calendered Sheet materials. Calendered solid fluorosilicone sheet materials are available .016", .032" and .062" thick.
- Die Cutting and Water Jet Cutting R10490-M Fluorosilicone sponge as produced by St. Gobain (formerly CHR Industries) – with high strength acrylic adhesive backings.

### Solid Fluorosilicone

Product	Durometer	Min. Tensile, psi	Color	Mil. Spec.	Comments & Features
FK-40	40	800	Blue	Mil-R-25988 B, Type 2, Class 1 Gr. 40	Molded sheets and components
FK-50	50	900	Blue	Mil-R-25988 B, Type 2, Class 1 Gr. 50	Molded sheets and components
FK-60	60	1100	Blue	Mil-R-25988 B, Type 2, Class 1 Gr. 60	Special High Performance Grade, Molded sheets and components
FK-70	70	950	Blue	Mil-R-25988 B, Type 2, Class 1 Gr. 70	Molded sheets and components

### Fluorosilicone Sponge

Product	Grade	Avg. Force Deflection	Color	Available Thicknesses	Comments & Features
R10490-M	Medium	11	Blue	.032", .062", .125", .188"	Closed Cell Sponge, can be laminated to thicker gauges, 3M's 467 and 9473 available

Call us to find out more or e-mail us at [service@stockwell.com](mailto:service@stockwell.com) for assistance.