



# STOCKWELL ELASTOMERICS

MANUFACTURING SOLUTIONS THROUGH ENGINEERED MATERIALS

**Product:**  
Fluorosilicone  
(FK, FVMQ, FS)



**Related Web Page:**  
<https://www.stockwell.com/fluorosilicone/>

**Stockwell Value Proposition:**

**Design & Engineering** - staff engineers comprehend design challenges and are available to help select materials and manufacturing processes that best fit your application needs.

**Material Solutions** - Stockwell Elastomerics has a comprehensive inventory of engineered materials designed and manufactured to meet requirements of the most demanding gasketing applications.

**Pre-Production through Manufacturing** - combining in-house CNC die cutting, waterjet cutting, injection molding, compression molding and adhesive lamination with comprehensive inventory, Stockwell Elastomerics can fulfill fast-turn prototyping, pre-production and full production requirements.

## SSP4773

**Compound:** Peroxide-Catalyzed, Military Grade Fluorosilicone

**Product Description:**

SSP4773 is a family of compression set resistant fluorosilicone elastomers, compounded exclusively for Stockwell Elastomerics by SSP Inc. to meet MIL-DTL-25988 C. The unique fuel and chemical resistant properties of this product make it useful for gaskets and components exposed to extreme temperature environments and conditions where performance is mission critical – such as aerospace and defense electronics.

SSP4773 is available in precise thickness 12” wide rolls from 0.020” to 0.125” thick, sheets up to 0.5” thick, fabricated parts and molded articles. Each lot of SSP4773 is subjected to strict quality control and available with a certificate of analysis stating compliance to MIL-DTL-25988 C. Custom construction and compounds available, such as fiberglass reinforced composites.

|                                 | SSP4773-40   | SSP4773-50           | SSP4773-60           | SSP4773-70           |
|---------------------------------|--|----------------------|----------------------|----------------------|
| <b>Durometer</b><br>ASTM D 2240 | 40-A   | 50-A                 | 60-A                 | 70-A                 |
| <b>Tensile</b><br>ASTM D 412    | 1200 psi   | 1250 psi             | 1000 psi             | 1000 psi             |
| <b>Elongation</b><br>ASTM D 412 | 500%   | 550%                 | 350%                 | 250%                 |
| <b>Tear B</b><br>ASTM D 624     | 130 ppi  | 240 ppi              | 150 ppi              | 128 ppi              |
| <b>C-Set</b><br>ASTM D 395      | 70hrs @ 75°F<br>10%  | 70hrs @ 75°F<br>9%   | 70hrs @ 75°F<br>7%   | 70hrs @ 75°F<br>15%  |
|                                 | 22hrs @ 347°F<br>15%   | 22hrs @ 347°F<br>25% | 22hrs @ 347°F<br>20% | 22hrs @ 347°F<br>20% |
| <b>Min-Max Temp.*</b>           | -70°F to 450°F   |                      |                      |                      |
| <b>MIL-DTL-25988 C</b>          | Type 2   | Type 2               | Type 1 & 2           | Type 1 & 2           |
|                                 | Class 1  | Class 1              | Class 1              | Class 1              |
|                                 | Group 40   | Group 50             | Group 60             | Group 70             |
| <b>Resistance</b>               | Fuels, Oils, Acids, Alkalis, Mineral Oils, Non-Polar Solvents & Salt Fog |                      |                      |                      |
| <b>Color</b>                    | Blue   |                      |                      |                      |

\*Max temp is based on exposure to dry air. Performance in other environments with chemical or liquid exposure may result in performance changes.