

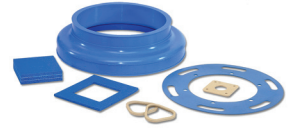


# STOCKWELL ELASTOMERICS

MANUFACTURING SOLUTIONS THROUGH ENGINEERED MATERIALS

## Chemical Resistant Fluorosilicone Rubber for Extreme Environments

Fluorosilicone rubber is a long-lasting sealing elastomer that is stable and compression set resistant across temperature extremes. Unlike silicone, fluorosilicone contains trifluoropropyl groups that enhance its chemical resistance to non-polar solvents, fuels, oils, acids, and alkaline chemicals. The unique properties of fluorosilicone make it a problem-solving material that is useful in industrial, aerospace, automotive and aviation applications for static sealing and cushioning.



MILITARY GRADE SOLIDS	<b>SSP4773-40, High Performance Fluorosilicone</b>					
	Spec	Durometer	Tensile	Elongation	Temp	Features and Uses
	MIL-DTL-25988	40 Shore A	1200 psi	500%	-70°F to 450°F	<ul style="list-style-type: none"> <li>Seals with low force</li> <li>Suitable for IP67 &amp; IP68</li> <li>Excellent rebound</li> <li>Peroxide cured</li> <li>Can be molded &amp; die cut</li> </ul>
	<b>SSP4773-50, High Performance Fluorosilicone</b>					
	Spec	Durometer	Tensile	Elongation	Temp	Features and Uses
	MIL-DTL-25988	50 Shore A	1250 psi	550%	-70°F to 450°F	<ul style="list-style-type: none"> <li>Seals with moderate force</li> <li>Suitable for IP67 &amp; IP68</li> <li>Excellent rebound</li> <li>Peroxide cured</li> <li>Can be molded &amp; die cut</li> </ul>
	<b>SSP4773-60, High Performance Fluorosilicone</b>					
	Spec	Durometer	Tensile	Elongation	Temp	Features and Uses
	MIL-DTL-25988	60 Shore A	1000 psi	350%	-70°F to 450°F	<ul style="list-style-type: none"> <li>Seals against high pressure</li> <li>Suitable for IP67 &amp; IP68</li> <li>Excellent rebound</li> <li>Peroxide cured</li> <li>Can be molded &amp; die cut</li> </ul>
	<b>SSP4773-70, High Performance Fluorosilicone</b>					
	Spec	Durometer	Tensile	Elongation	Temp	Features and Uses
	MIL-DTL-25988	70 Shore A	1000 psi	250%	-70°F to 450°F	<ul style="list-style-type: none"> <li>Stable under extreme force</li> <li>Seals against high pressure</li> <li>Excellent rebound</li> <li>Peroxide cured</li> <li>Can be molded &amp; die cut</li> </ul>
SPONGE	<b>Norseal R10490M, Closed Cell Fluorosilicone</b>					
	Spec	CFD	Tensile	Elongation	Temp	Features and Uses
	AMS 3323	15 psi	180 psi	125%	-80°F to 400°F	<ul style="list-style-type: none"> <li>Highly compliant &amp; soft</li> <li>Fully closed cell</li> <li>Suitable up to IP65 and IP66</li> <li>Low compression set</li> <li>Custom thicknesses available</li> </ul>
CONDUCTIVE	<b>SCF-444-P, Silver/Aluminum Filled Fluorosilicone</b>					
	Spec	Durometer	Tensile	Elongation	Temp	Features and Uses
	MIL-DTL-83528*	45 Shore A	150 psi	300%	-76°F to 428°F	<ul style="list-style-type: none"> <li>EMI shielding</li> <li>Seals with low force</li> <li>Passivated, resists corrosion</li> <li>Thermally conductive</li> <li>Can be molded &amp; die cut</li> </ul>
	<b>SNEF-60, Nickel-Graphite Filled Fluorosilicone</b>					
	Spec	Durometer	Tensile	Elongation	Temp	Features and Uses
	N/A	60 Shore A	200 psi	200%	-76°F to 392°F	<ul style="list-style-type: none"> <li>EMI shielding</li> <li>Seals with moderate force</li> <li>Lower cost filler</li> <li>Thermally conductive</li> <li>Can be molded &amp; die cut</li> </ul>

Durometer Shore A per ASTM D2240. Tensile and Elongation per ASTM D 412. Temp based on dry air.

\*MIL-DTL-83528 Specification is limited to 65 Shore A durometer minimum, 45 Durometer is out of scope.



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