

**PRODUCT DESCRIPTION**

SSP100 is a 70 durometer heat cured silicone elastomer. It is designed to meet the fuel resistant requirements outlined in the MIL-R-25988-(B) Type 2 Class 1 Group 70 specification. This product uses a varox- or dicumyl- peroxide catalyst system. It can be supplied as ready-to-mold compound or as compression molded sheet stock. SSP100 silicone can be pigmented to a customer's requirement, but the most popular colors produced are red, blue, and black.

<b>DATA</b>	<b>Typical Values</b>
<b>Shore A</b> (65 - 75 range)	70
<b>Tensile Strength</b> (950 psi minimum)	1000 psi
<b>Elongation %</b> (150 % minimum)	250%
<b>Tear B</b> (75 ppi min)	128 ppi
<b>Specific Gravity</b>	1.60 – 1.65
*Other tests performed in accordance with MIL-R-25988-(B) Type 2 Class 1 Group 70 specification include: 22 hours Compression Set, 70 hours Compression Set, Brittle Point, Torsional Stiffness, Youngs Modulus, Shore Change, Tensile Change, Weight Loss %, Oil Immersion, Volume Change %, and Elongation Change.	
<b>Cure Profile:</b> Compression cure for 10 minutes at 177°C (350°F). Post bake for 3 hours at 200°C (390°F).	

\*Certification charges may apply for small quantity orders.

**CATALYZING**

Raw material available catalyzed and ready for press cure molding. Data above was generated with Varox catalyst system.

**SHELF LIFE**

Uncatalyzed – indefinite, may need freshening after 1-2 years. Catalyzed – 6 months. Cold storage will extend shelf life.

**HANDLING & SAFETY**

MSDS information is available on request.

For more information visit [www.sspinc.com](http://www.sspinc.com). To order call (518) 885-8826/ or Fax (518) 885-4682.

**Specialty Silicone Products, Inc.**

Corporate Technology Park \* 3 McCreia Hill Road \* Ballston Spa, NY 12020

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