

## **SSP-550-70 PASSIVATED**

### **Conductive Corrosion Resistant Fluorosilicone Elastomer**

#### **PRODUCT DESCRIPTION**

**SSP-550-70 PASSIVATED** is a Silver Plated Aluminum filled corrosion resistant fluorosilicone conductive elastomer. This product is supplied as fully cured, conductive sheet stock, continuous extrusion profiles, or ready-to-mold compound. SSP550-70 PASSIVATED was designed to meet the shielding requirements outlined in the MIL-G-83528 specifications.

<b>DATA</b>	<b>Method</b>	<b>Typical Values</b>
<b>Shore A</b> (63-77 range)	ASTM D2240	70
<b>Tensile psi</b> (180 minimum)	ASTM D412	330 psi
<b>Elongation %</b> (Report)	ASTM D412	245%
<b>Compression Set %</b> (30 max.)	ASTM D395 M-B	29% (70 hours at 100°C)
<b>Compression Deflection</b> (3.5% minimum)	ASTM D575	6%
<b>Specific Gravity</b> (1.75 – 2.25)	ASTM D792	2.10
<b>Volume Resistivity ohm / cm</b> (0.012 max.)	ASTM D991	.005 ohm /cm
<b>Color</b>	-	Tan/Dark Blue
<b>Thermal Stability Range</b>	-	-60°C - 220°C
<b>Shielding Effectiveness 20MHZ-10GHZ</b> (>90dB)	MIL-DTL-83528	>125

#### **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 McCrea Hill Road \* Ballston Spa, NY 12020

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