

## **SSP-502-40V1**

### **Silicone Shielding Flame Retardant Elastomer**

#### **PRODUCT DESCRIPTION**

The SSP502-40V1 is a 40 durometer nickel coated graphite filled flame retardant silicone elastomer. This product conforms to UL-94 V1. This product is supplied as ready-to-mold compound; fully cured, conductive sheet stock; or, for some formulations, continuous rolls. The data below was generated using ASTM test methods and procedures.

<b>DATA</b>	<b>Typical Values</b>
<b>Shore A</b> (35- 45 range)	40
<b>Tensile psi</b> (100 minimum)	120 psi
<b>Elongation %</b> (200 minimum)	400%
<b>Tear "B" ppi</b> (Report)	40
<b>Specific Gravity</b> (Report)	1.9
<b>Volume Resistivity ohm / cm</b> (0.1 max)	.05 ohm /cm
<b>UL-94 Flammability Rating</b>	V1
<b>Color</b>	Black
<b>Thermal Stability Range</b>	-60°C - 220°C
<b>Shielding Effectiveness 20MHZ-10GHZ (E-Field)</b>	> 113

#### **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.**

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