

## **SSP502-40V0**

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

#### **PRODUCT DESCRIPTION**

The SSP502-40V0 is a 40 durometer nickel coated graphite filled flame retardant conductive silicone elastomer that conforms to UL-94 V0. This material is used in EMI/RFI gasketing applications and is available in continuous roll stock, with or without conductive pressure sensitive adhesive. SSP502-40-V0 has been tested to ASTM595 outgassing parameters both with and without conductive PSA applied, data available upon request. SSP502-40-V0 is light gray and commonly used to replace the discontinued GORE® GS 2100 shielding gasket product.

| <b>TESTING</b>                                       | <b>SPECIFICATION</b>  |
|--|-----------------------|
| <b>Shore A</b>                                       | 35-45                 |
| <b>Tensile psi</b>                                   | 100 min               |
| <b>Elongation %</b>                                  | 200 min               |
| <b>Tear "B" ppi</b>                                  | 35 typical            |
| <b>Specific gravity</b>                              | 1.9 typical           |
| <b>Volume Resistivity ohm-cm</b>                     | 1.0 max (0.5 typical) |
| <b>UL-94 Flammability Rating</b>                     | V0*                   |
| <b>Thermal Stability Range</b>                       | -60°C - 220°C         |
| <b>Shielding Effectiveness 20MHz-10GHz (E-Field)</b> | > 114**               |



The following roll part numbers are available to purchase, provided as 10 foot lengths with 3M9713 conductive PSA one side: E50240V0-020-.25W-CR-CAPSA: .020" thick, 0.25" wide  
 E50240V0-020-.50W-CR-CAPSA: .020" thick, 0.50" wide  
 E50240V0-020-.75W-CR-CAPSA: .020" thick, 0.75" wide  
 E50240V0-020-1W-CR-CAPSA: .020" thick, 1.0" wide

#### **SHELF LIFE**

Cured material – indefinite. Cured material with PSA applied at shipment – up to 12 months.

#### **FLAMMABILITY RATING \***

Validated and certified internally for every batch. Validated externally by an accredited facility, report available upon request.

#### **SHIELDING EFFECTIVENESS \*\***

Shielding data was run third party at a MIL-DTL-83528 listed lab.

#### **HANDLING & SAFETY**

SDS information is available upon 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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