

## **SSP502-65-020-Composite-NG-1**

### **Conductive Silicone Elastomer/Conductive Fabric Composite**

#### **PRODUCT DESCRIPTION**

SSP502-65-020-Composite-NG is a 65 durometer nickel coated graphite filled elastomer reinforced with an inner layer of conductive fabric. The composite can be used in EMI shielding and environmental sealing applications. The composite yields V.R. values similar to much more expensive silver coated metal filled elastomers. The conductive fabric gives the composite much superior physical properties than seen with an elastomer alone. The data below was generated using ASTM test methods and procedures for the conductive silicone composite.

<b>DATA</b>	<b>Typical Values</b>
<b>Shore A</b> (58- 68 range)	65
<b>Tensile psi</b> (Report)	950
<b>Elongation %</b> (Report)	20
<b>Tear "B" ppi</b> (35 min)	165
<b>Specific Gravity</b> (Report)	1.93
<b>Thickness</b> (0.017-0.023 inches)	0.020 inches
<b>Volume Resistivity ohm / cm</b> (Report)	0.007 ohm /cm
<b>Compression Set % 70hrs 100C</b> (Report)	25
<b>Color</b>	Dark Gray
<b>Thermal Stability Range</b>	-55°C - 200°C

#### **Key Attributes**

- Superior Strength- Compared to alternative EMI/RFI shielding and sealing materials
- Silver Like Conductivity- Without silver pricing volatility and cost concerns
- Produced as a Continuous Roll -Up to 15 inches wide; eliminating yield concerns, lead times, added labor, and handling issues when cutting molded sheets

#### **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**.

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