SSP502-65-032-Composite-NG-1

Conductive Silicone Elastomer/Conductive Fabric Composite

PRODUCT DESCRIPTION

SSP502-65-032-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.

DATA	Typical Values
Shore A (58- 68 range)	65
Tensile psi (Report)	950
Elongation % (Report)	20
Tear "B" ppi (35 min)	165
Specific Gravity (Report)	1.93
Thickness (0.029-0.035 inches)	0.032 inches
Volume Resistivity ohm / cm (Report)	0.007 ohm /cm
Compression Set % 70hrs 100C (Report)	25
Color	Dark Gray
Thermal Stability Range	-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. To order call **(518) 885-8826/** or Fax **(518) 885-4682.**

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Specialty Silicone Products, Inc is an ISO 9001:2008 registered company.