

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.

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



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