



EVS2551

Corrosion Resistant Fluorosilicone Shielding Elastomer

PRODUCT DESCRIPTION

EVS2551 is a 72 durometer fuel and solvent resistant fluorosilicone that is filled with nickel plated aluminum particles. This product is supplied as fully cured, conductive sheet stock, continuous extrusion profiles, or ready-to-mold compound.

Technical Data	Method	Typical Values
Shore A (62- 82 range)	ASTM D2240	69
Tensile psi (150 minimum)	ASTM D412	200 psi
Elongation % (50 min)	ASTM D412	350%
Tear "B" ppi (35 min)	ASTM D624	50
Specific Gravity (1.80 - 2.30)	ASTM D792	2.15
Compression Set % 70 hrs @ 100C (30 max)	ASTM D395	18
Volume Resistivity ohm / cm (0.250 max)	ASTM D991	0.03 ohm /cm
Shielding Effectiveness 20MHZ-10GHZ	MIL-DTL-83528	> 112 dB
Shielding Effectiveness 10GHZ-40GHZ	MIL-DTL-83528	> 100 dB
Color	-	Dark Gray
Thermal Stability Range	-	-60°C - 220°C
Galvanic Corrosion 168 Hour Salt Spray	ASTM B117	0.10%

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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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