



EVS-550-70 PASSIVATED Conductive Corrosion Resistant Fluorosilicone Elastomer

PRODUCT DESCRIPTION

EVS-550-70 PASSIVATED is a Silver-Plated Aluminum filled corrosion resistant fluorosilicone conductive elastomer. This product is supplied as fully cured, conductive sheet stock, continuous extrusion profiles, or ready-to-mold compound. EVS550-70 PASSIVATED was designed to meet the shielding requirements outlined in the MIL-G-83528 specifications.

Technical Data	Method	Typical Values
Shore A (63- 77 range)	ASTM D2240	70
Tensile psi (180 minimum)	ASTM D412	330 psi
Elongation % (Report)	ASTM D412	245%
Compression Set (30 max)	ASTM D395 M-B	29% (70 hours at 100°C)
Compression Deflection (3.5% minimum)	ASTM D575	6%
Specific Gravity (1.75-2.25)	ASTM D792	2.10
Volume Resistivity ohm / cm (0.012 max)	ASTM D991	.005 ohm /cm
Color	-	Tan/Dark Blue
Thermal Stability Range	-	-60°C - 220°C
Shielding Effectiveness 20MHZ-10GHZ (>90dB)	MIL-DTL-83528	>125

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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.



CR Technology, Inc

55 Chase St
Methuen, Massachusetts 01844

sales@crtechinc.com

978.681.5300