

SSP2573-75

Conductive Fluorosilicone Elastomer

PRODUCT DESCRIPTION

SSP2573-75 is a high durometer silver plated copper filled conductive fluorosilicone elastomer. This product is supplied as fully cured, conductive sheet stock, continuous extrusion profiles, or ready-to-mold compound, tan color. SSP2573-75 was designed to meet the MIL-DTL-83528 Type C specifications and is on the Qualified Product List (QPL). Notification of Qualification, VQH-22-036726.

DATA	SPEC	Method	Typical Values
Hardness, Shore A	68-82	ASTM D2240	75
Tensile strength, psi	180 min	ASTM D412	440 psi
Elongation, %	100-300	ASTM D412	140 %
Tear Strength Type C, ppi	35 min	ASTM D792	60 ppi
Specific Gravity	3.48 – 4.52	ASTM D792	3.55
Volume Resistivity, ohm-cm	0.010 max	MIL-DTL-83528	0.002 ohm-cm
Shielding Effectiveness 20MHZ-10GHZ (E-Field), dB	>110	MIL-DTL-83528	>125 dB
Compression Deflection, %	3.5 min	MIL-DTL-83528	9.5 %
Compression Set, % (70 hours at 100°C)	35 max	ASTM D395B	24 %
Electrical Stability after Break, ohm-cm	0.015 max	MIL-DTL-83528	0.003 ohm-cm
Low Temperature Retraction, TR-10 and TR-70, °C	-55 / -40 max	ASTM D1329	-65 / -45 °C
Volume Resistivity after EMP, ohm-cm	0.015 max	MIL-DTL-83528	0.008 ohm-cm
Electrical Stability during and after Vibration, ohm-cm	0.015 / 0.010 max	MIL-DTL-83528	0.003 / 0.001 ohm-cm
Volume Resistivity after Life Testing (1000 hrs), ohm-cm	0.015 max	MIL-DTL-83528	0.0004 ohm-cm
Volume Resistivity after Life Testing (48 hrs), ohm-cm	0.015 max	MIL-DTL-83528	0.003 ohm-cm
Thermal Stability Range, °C	-55 – 125°C	-	-55 – 125°C
Fluid Immersion *	Survivable	MIL-DTL-83528	Pass

* Maximum volume swell of 25 percent and maximum change in hardness of 15 shore A units.

CATALYZING

Raw material available catalyzed and ready for press cure molding. Data above was generated with DBPH catalyst system.

SHELF LIFE

Catalyzed – 6 months. Cold storage will extend shelf life.

HANDLING & SAFETY

SDS 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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