

PRODUCT DESCRIPTION

SSP2486-70 is a 70 durometer fluorosilicone that is filled with silver plated aluminum particles. This product can be supplied uncured ready to mold compound or cured conductive sheet stock and extrusions. SSP2486-70 meet the requirements outlined in the MIL-DTL-83528 Type D specifications and is on the Qualified Product List. (Notification of Qualification, VQ (VQH-16-029974))

Testing	Test Procedure	Tolerance	Typical Values
Hardness, Shore A	D 2240	63-77	74
Tensile Strength, psi	D412	180 min	340
Elongation %	D412	60-260	112
Tear Strength Type C, ppi	D624	35 min	52
Specific Gravity	D792	1.74-2.26	2.19
Volume Resistivity(Pressure Probe), Ω-cm	83528 (4.5.10)	0.012 max	.0016
Shielding Effectiveness 20MHZ-10GHZ (E-Field)	83528 (4.5.12)	90 min	>90.8
Compression Deflection @ 100 psi, %	83528 (4.5.5)	3.5 min	17.8
Compression Set @ 25% deflection, %	D395-B	30 max	7.4
Electrical Stability after Break, Ω-cm	83528 (4.5.9)	0.015	0.0025
Low temperature Retraction, TR-10 and 70, °C	D1329	-55°C/-40°C max	-68.1 / -46.5
EMP Survivability	83528 (4.5.16)	0.015	0.004
Electrical Stability during and after vibration, Ω-cm	83528 (4.5.13)	0.015 / 0.012	0.0047/ 0.0015
Volume Resistivity after Life Testing, Ω-cm(1000 hr)	83528 (4.5.15)	0.015	0.0028
Volume Resistivity after Life Testing, Ω-cm(48 hr)	83528 (4.5.15)	0.015	0.0049
Fluid Immersion	83528 (4.5.17)	Swell & Hardness	Pass
Thermal Conductivity, W/mK	C-Therm	report	

All data above are derived from the QPL qualifying batches.

- Color: Tan or Dark Blue
- Thermal Stability Range: -55°C - 160°C
- Catalyzed with DBPH peroxide. Raw material available catalyzed and ready to molding or extrusion.
- Press Cure Temperatures: 15 minutes @ 177°C+4 hours @ 177°C
- Available uncured and cured sheet stock or extruded shapes.
- Shelf Life: Uncured -6 months (Cold storage can extend shelf life)
Cured-Indefinite
- Handling & Safety: MSDS information is available on request.

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