

EMI/RFI Shielding Material Guide

Electrically Conductive Shielding Compounds

SSP has developed a line of conductive silicone and fluorosilicone elastomers that are designed to meet the requirements outlined for the MIL-DTL-83528 QPL listings. Our conductive materials are used to manufacture shielding gaskets for Military, Aerospace, electronics, and communications applications. Our range of conductive silicones has expanded to include materials that are designed to balance requirements for electrical conductivity and cost performance for the commercial sector. We supply our conductive products as an uncured moldable compound, compression molded sheetstock, extrusions and, in some cases, as a continuous roll. These options allow customers to convert our silicones into their own finished product using the most efficient method for them.



EMI / RFI Shielding Silicone Product Line

Product Number	Product Description	Max V.R. (ohm/cm)	Available Durometers Shore A	MIL-DTL83528C TYPE REFERENCE	Comparable Products & Part Numbers for Reference
SSP502 SERIES	ELECTRICALLY CONDUCTIVE FILLED WITH NICKEL COATED GRAPHITE	MOLDED SHEETS .1 – 2.5* <small>*Varies with durometer</small>	30 to 80	N/A	S6305, 6330, 6370, 6371, 6372, 6308, L6303, 802 and 812 series
SSP2368 SERIES	ELECTRICALLY CONDUCTIVE SILICONE FILLED WITH SILVER PLATED ALUMINUM	.008	65	TYPE B FULL QPL CERTIFICATION WITH DLA	1285 805 series
SSP550 SERIES SSP2486 SERIES	ELECTRICALLY CONDUCTIVE FLUOROSILICONE FILLED WITH SILVER PLATED ALUMINUM	.012	45 to 70	TYPE D FULL QPL CERTIFICATION WITH DLA	1287 and 1298 815 series
SSP547 SERIES SSP553-85 SERIES	ELECTRICALLY CONDUCTIVE SILICONE FILLED WITH SILVER PLATED COPPER	.004	65 to 85	TYPE A TYPE K	1273, 1270, 1217, 1215 806 series
SSP416 SERIES	ELECTRICALLY CONDUCTIVE SILICONE FILLED WITH SILVER PLATED GLASS	.006	65	TYPE M	1350 and 1310 803 series
SSP2529 SERIES (Galvanic Corrosion Resistant)	NICKEL ALUMINUM IN SILICONE	.15	70	N/A	6502