

EMI / RFI MATERIALS

Electromagnetic interference (EMI) shielding and thermal management issues are common problems among design engineers. Seal & Design is a provider of electrically and thermally conductive materials which offer a wide range of EMI shielding to global electronics companies.



EMI shielding gaskets assure the performance and maintainability of communications equipment, radar, aircraft, spacecraft, automotive vehicles, computers, fire control systems, telecommunications, medical, consumer and industrial electronics.

Typical EMI shielding gasket materials include ferrites, silicone, fluorosilicone, and EPDM.

EMI / RFI PRODUCTS



EMI/RFI Gaskets EMI/RFI Shielding

Our conductive materials are used to produce 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 uncured moldable compounds, compression molded sheetstock, 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.

Style	Material Type	Durometer	Description	Datasheet
SSP-502 Series	Nickel Graphite Filled Silicone	Varies	Nickel-coated graphite filled shielding silicone. Very conductive. Can be reinforced with an inner layer of conductive fabric.	SSP-502 Series PDF
SSP-502-65-CR	Nickel Graphite Filled Silicone	65	Nickel-graphite shielding silicone. Very conductive and strong. Produced in continuous rolls up to 15 inches wide.	SSP-502-65-CR PDF
SSP-502F-50	Nickel Graphite Filled Silicone	50	Nickel-graphite flourisilicone. Very conductive. Combines EMI shielding with resistance to harsh environments.	SSP-502F-50 PDF
SSP-502F-60	Nickel Graphite Filled Silicone	60	Nickel-graphite flourisilicone. Very conductive. Combines EMI shielding with resistance to harsh environments.	SSP-502F-60 PDF
SSP-502F-80	Nickel Graphite Filled Silicone	80	Nickel-graphite flourisilicone. Very conductive. Combines EMI shielding with resistance to harsh environments.	SSP-502F-80 PDF
SSP-502-40-V1	Nickel Graphite Filled Frame Retardent Silicone	40	Nickel-plated-graphite, flame-retardent shielding silicone. Very conductive. Tested to UL-94 V1 parameters.	SSP-502-40-V1 PDF
	Nickel		Nickel-graphite shielding	

SSP-502- 65-020- Composite- NG-1	Graphite Filled Frame Retardent Material Type	60 Durometer	silicone. Very conductive. Flame retardant and tested to UL-94 V1 parameters. Description	Datasheet
SSP-502-65-020-Composite-NG-1	ArmouRFI™ Fabric Reinforced EMI RFI Silicone	65	Nickel-graphite filled, shielding silicone. Reinforced with an inner layer of conductive fabric.	SSP-502-65-020-Composite-NG-1 PDF
SSP-502-65-032-Composite-NG-1	ArmouRFI™ Fabric Reinforced EMI RFI Silicone	65	Nickel-graphite filled, conductive shielding silicone. Reinforced with an inner layer of nickel-coated mesh.	SSP-502-65-032-Composite-NG-1 PDF
SSP-2432	Nickel Graphite Filled 1 Part RTV	65	Electrically-conductive, nickel-graphite silicone adhesive sealant. Adheres to most substrates that cures in 24 hours.	SSP-2432 PDF
SSP-2368-65	Silver Aluminum Filled Silicone	65	Electrically-conductive, silver-aluminum silicone shielding elastomer. Designed to meet MIL-G-83528C Type B.	SSP-2368-65 PDF
SSP-2426-30	Silver Aluminum Filled Silicone	30	Electrically-conductive, silver-aluminum silicone shielding elastomer. Softer than many other EMI materials.	SSP-2426-30 PDF
SSP-2486-70	Silver Aluminum Filled Silicone	70	Electrically-conductive, silver-aluminum shielding fluorosilicone. QPL listed and meets MIL-DTL-83528 Type D.	SSP-2486-70 PDF
SSP-550-45	Silver Aluminum Filled Silicone	45	Electrically-conductive, silver-aluminum shielding fluorosilicone. Meets MIL-DTL-83528 Type D.	SSP-550-45 PDF

Style	Material Type	Durometer	Description	Datasheet
SSP-550-70 Passivated	Silver Aluminum Filled Silicone	70	Electrically conductive, silver-aluminum shielding fluorosilicone. Meets MIL-DTL-83528C Type D.	
SSP-547-65	Silver Copper Filled Silicone	65	Super conductive silver-copper shielding silicone. Designed to meet MIL-DTL-83528 Type A.	SSP-547-65 PDF
SSP-553-80	Silver Copper Filled Silicone	80	Electrically conductive silver-plated-copper shielding silicone. Designed to meet MIL-DTL-83528 Type K.	SSP-553-80 PDF
SSP-416-65	Silver Glass Filled Silicone	65	Very conductive silver-plated-glass-bead filled silicone. Designed to meet MIL-DTL-83528 Type M.	SSP-416-65 PDF
SSP-2482-M	Wire Oriented Silicone		Monel-filled elastomers that provide electrical conductivity, EMI shielding, and environmental sealing.	SSP-2482-M PDF
SSP-2484-M	Wire Oriented Silicone		Monel-filled elastomers that combine EMI shielding with resistance to solvents and fuels.	SSP-2484-M PDF
SSP-482-75	Silver Nickel Filled Silicone	75	Electrically conductive silver-nickel silicone. Designed to meet MIL-DTL-83528 Type L.	SSP-482-75 PDF
SSP-482F-75	Silver Nickel Filled Silicone	75	Very conductive silver-nickel fluorosilicone. Combines EMI shielding with resistance to solvents and fuels.	SSP-482F-75 PDF
SSP-555-65	Pure Silver Filled Silicone	65	Extremely conductive. Silver-filled shielding silicone that is designed to meet MIL-	SSP-555-65 PDF

Style	Material Type	Durometer	Description	Datasheet
SSP-1529	Filled Static Dissipation Silicones	65	DTL-83528 Type E. Semi-conductive, carbon- black-filled silicone compound. Designed for applications where some electrical conductivity is required.	SSP-1529 PDF

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