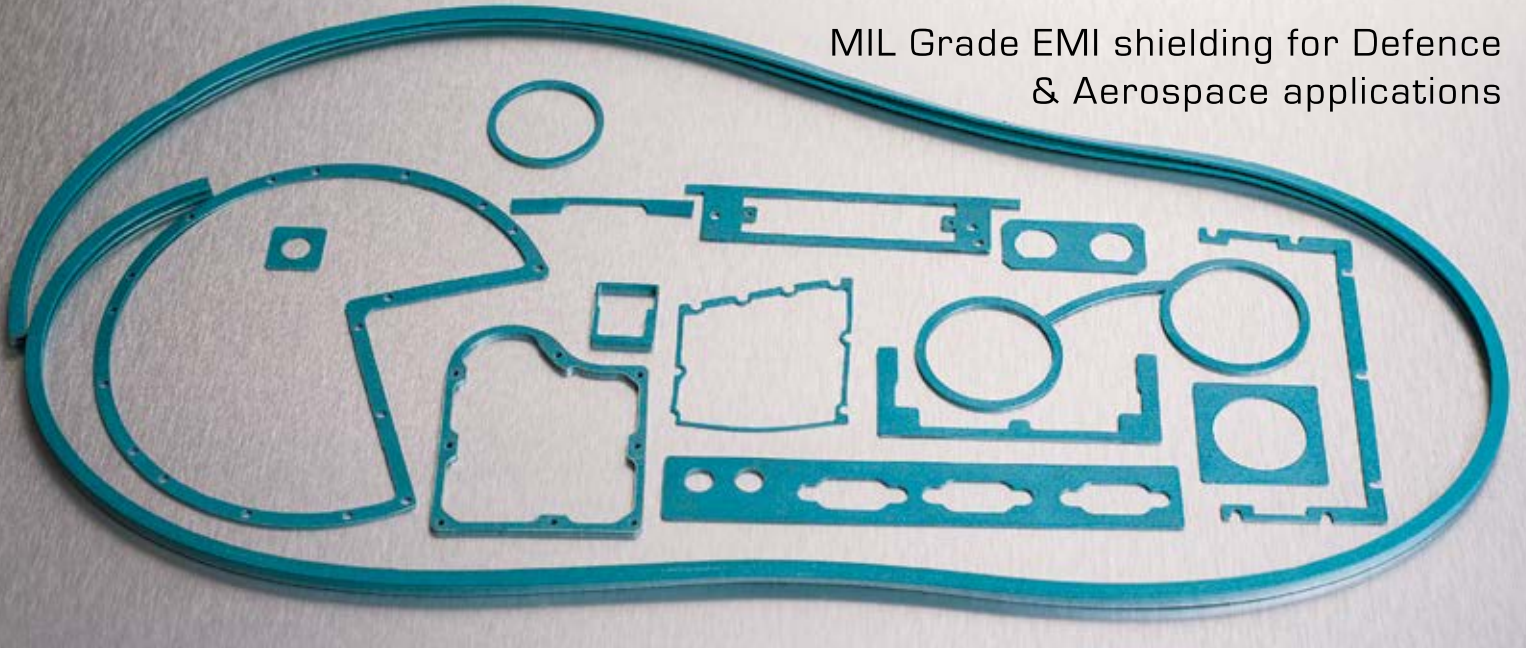


MIL Grade EMI shielding for Defence & Aerospace applications



DESCRIPTION

- Pure Silver Conductive Elastomers are silicone/fluoro silicone elastomers filled with pure silver particles
- Provides the highest EMI shielding effectiveness and exhibits superior mechanical properties
- Withstands high temperatures
- Available in sheets, molded forms, extrusions and various configurations

APPLICATION

- SSDP Pure Silver filled Elastomers are recommended for use in Defence applications
- It should be used where high electromagnetic shielding is required
- For aerospace applications which require the elastomer to be Jet fuel resistant, Fluoro silicone elastomer is recommended

TECHNICAL SPECIFICATION:

Parameter	Material				
	999	999'A'	999'B'	999'C'*	999'F'
MIL-DTL-83528 equivalent	Type 'E'	Type 'J'	-	-	Type 'F'
Elastomer	Silicone			Fluorosilicone	
Conductive Filler	Ag				
Volume Resistivity (ohm-cm, max.)	0.002	0.01	0.005	0.008	0.002
Durometer (Shore A ± 7)	65	45	65	65	75
Specific Gravity (±13%)	3.5	1.7	3.5	3.2	4.0
Tensile Strength (psi, min.)	300	150	200	150	250
Elongation (percent min./max.)	200/500	50/250	200(min.)	75(min.)	100/300
Tear Strength (lb/in, min.)	50	20	50	30	40
Temperature Range (°C)	-55 to +160			-65 to +160	

EMI SHIELDING PERFORMANCE:

Frequency	Shielding Effectiveness(dB)				
	999	999'A'	999'B'	999'C'*	999'F'
200KHz (H-Field)	70	60	70	60	70
100MHz (E-Field)	120	100	110	120	120
10GHz (Plane Wave)	120	80	110	120	120

*For extruded profiles