

**CEE-FSA001 ELECTRICALLY CONDUCTIVE SILVER / ALUMINIUM  
FILLED FLUROSILICONE ELASTOMER****Product overview**

CEE-FSA001 is an electrically conductive composite material comprising of fluorosilicone elastomer and silver-plated aluminium particles. It is formulated for the production of extruded sections/gaskets that offer a combined high level of EMI shielding and environmental sealing over a wide temperature range. The fluorosilicone elastomer base provides outstanding resistance to environmental degradation as well as excellent resistance to fuels and oils.

CEE-FSA001 also exhibits good galvanic (electro-chemical) stability when used in combination with aluminium alloys, particularly in humid or damp environments.

**Cured Properties**

Colour	Light green
Density	2.1 gcm <sup>-3</sup>
Hardness Range	30-80 Shore A Standard 65 Shore A
Volume resistivity	<0.01Ω.cm
Tear strength	6kN/m
Tensile strength	1.5MPa
Elongation	100%
Compression set – 72 hours at 100°C	25%
Service temperature range	-55°C to 160°C
Maximum intermittent temperature	200°C

**CEE-FSA001 ELECTRICALLY CONDUCTIVE SILVER / ALUMINIUM  
FILLED FLUOROSILICONE ELASTOMER****Shielding Effectiveness**

200kHz (H field)	79dB
100MHz (E field)	105dB
500MHz (E field)	108dB
2GHz (Plane wave)	102dB
10GHz (Plane wave)	110dB

**Available forms**

This material is available in a wide range of solid and hollow profiles such as 'O' sections, 'D' sections, 'U' channels, etc. The equivalent material type (CEM-FSA001) is also available as moulded components, sheets and flat gaskets. In either form gaskets or sheet material can be supplied with a self adhesive backing to assist installation / assembly.

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