



CE-SAF
SILVER PLATED ALUMINIUM FILLED
FLUOROSILICONE

Description

CS-SAF is an electrically conductive fluorosilicone based material loaded with silver plated aluminium particles. It is formulated specifically for the production of sheet, flat gaskets and custom mouldings aswell as extruded profiles. It offers a combined high level of EMI shielding and environmental sealing over a wide temperature range. The fluorosilicone elastomer binder provides excellent resistance to fuel and oils as well as environmental degradation.

CS-SAF is designed and tested to meet the requirements outlined in the MIL 83528 Type D specifications.

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

Technical Data

Colour	Tan/Green/Blue
Specific Gravity	2.1
Hardness	70 Shore A
Volume resistivity	<0.01Ω.cm
Thermal Conductivity	1.2 W/mK
Tensile strength	1.24MPa
Elongation	100% Min 260% Max
Compression set – 72 hours at 100°C	<30%
Service temperature range	-60°C to 160°C
Max Intermittent Temp	200°C
Noise Shielding @ 2GHz	95dB

Shielding Effectiveness

100kHz (H field)	120dB
100MHz (E field)	120dB
500MHz (E field)	120dB
2GHz (Plane wave)	120dB
10GHz (Plane wave)	115dB