

Description

CE-CS is a semi-conductive silicone based material loaded with carbon particles. It is formulated specifically for the production of sheet, flat gaskets and custom mouldings as well as extruded profiles. It offers a level of antistatic shielding and environmental sealing over a wide temperature range. The Silicone rubber provides optimum performance to the action of oxidizing agents, both under static and dynamic conditions and it offers excellent environmental sealing whilst providing optimum protection against galvanic corrosion in salt spray environments. It also has excellent resistance to aging from UV and weather conditions.

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

Technical Data

Colour	Black
Specific Gravity	1.2
Hardness	70 Shore A
Volume resistivity	7 Ω .cm
Tensile strength	650PSi
Compression set – 72 hours at 100°C	<40%
Elongation	100% min
Tear Strength	40lb/in
Service temperature range	-60°C to 200°C
Max Intermittent Temp	220°C

Shielding Effectiveness

100kHz (H field)	80dB
100MHz (E field)	80dB
500MHz (E field)	80dB
2GHz (Plane wave)	80dB
10GHz (Plane wave)	50dB