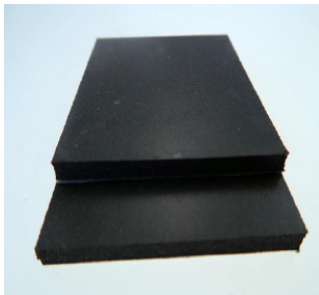


C-S-E SERIES – CONDUCTIVE SILICONE ELASTOMER (0.5-4.0 A0/A1)



FEATURES

- Electrically Conductive Silicone Rubber for EMI Shielding and Environmental Sealing applications.
- Nickel/Graphite fillers for good corrosion resistance / galvanic compatibility with plated and stainless-steel surfaces.
- Excellent shielding and mechanical properties and softness.
- Supplied in thickness range from 0.5 – 4.0mm sheet with Conductive or Non-Conductive acrylic adhesive - A1 (50um), or without adhesive - A0.
- Custom die-cut gaskets available and softness.

APPLICATIONS

- Ideal for both Military and Commercial applications where both EMI and environmental sealing is required.
- Military Systems, Aerospace, Aviation and Shipboard installations and other harsh environments.
- Electronic equipment, Electric Power, Power Supplies, Bulkhead Connectors.
- Gaskets for lids and assemblies, Fan assemblies and waveguide systems.

PROPERTIES	C-S-E SERIES	UNIT	TEST METHOD
Thickness (±10%)	0.50 to 4.00 0.02 to 0.16	mm inch	ASTM-D374
Conductive Filler	Ni/C	-	-
Colour	Black	-	VISUAL
Volume Resistivity	≤0.08	Ohm-cm	MIL-G-83528C
Specific Gravity (±0.2)	2.15	g/cm ³	ASTM-D792
Tensile Strength	≥1	MPa	ASTM-D412
Elongation	>100%	-	ASTM-D412
Working Temperature	-40 to 160	°C	ASTM-D1329
Flash Point (FP) Temperature	~200	°C	-
Spontaneous FP Temperature	~800	°C	-
Flammability Rating	UL94-HB	-	UL 94
UL Approval	Compliant	-	-
Hazardous Substance	RoHS Compliant	-	RoHS

NOTES

- Customised shapes are available
- The above performance data is tested in an environment of 70% humidity, temperature 25 °C
- This data is intended for reference purposes only. It is recommended that the material is tested to fully evaluate its performance ensuring it is fit for purpose.

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