



HEAT SINK COMPOUND FOR THERMAL COUPLING AND HEAT DISSIPATION



HEAT SINK COMPOUND is a highly thermally conductive silicone grease. This, together with a low moisture and metallic impurity content, make it suitable for a wide variety of applications within the electrical components industry.

APPLICATIONS

Used within a semi-conductor device case it affords excellent shock protection for the transistor or diode elements and provides protection against inadvertent contamination of these elements before the devices are finally encapsulated. Also acts as an excellent moisture buffer.

Heat Sink Compound also finds use as a contact material when mounting semi-conductor devices on heat sinks, obviating air gaps between imperfectly mating surfaces. In this application, it may be used in conjunction with electrically insulating mica washers without increasing the electrical leakage in any way. Indeed, in many cases insulation may be improved.

TECHNICAL DATA

Appearance	:	White, thixotropic paste
Odour	:	Almost odourless
SG	:	2.3
Evaporation	:	7 days room temperature, 0.02%, 24 hours at 150°C, 0.2%
Dielectric strength	:	10.92 kv/mm @ 1MHz
Permittivity 1 MHz	:	4.3
Power factor, 1 MHz	:	3.3×10^{-3}
Volume resistivity	:	At room temperature, 1.1×10^{15} ohm.cm
Thermal conductivity	:	0.77 W/mK
Temperature range	:	Operational from -50°C to + 200°C
Solubility	:	Insoluble in water, soluble in some solvents
Flammability	:	Not classified as flammable
Packaging	:	25gm tube (50 per carton)

STORAGE

The product may be stored at normal ambient temperatures and has a shelf life of not less than 36 months with correct storage. Aerosols should always be stored below 50°C, away from direct heat and naked flame.

HEALTH AND SAFETY

Health and Safety sheet available separately.

MISREPRESENTATION ACT 1967

TRADE DESCRIPTIONS ACT 1968

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CRC Industries UK Limited, Wylds Road, Bridgwater, Somerset, TA6 4DD

Tel: +44 (0) 1278 727200

Fax: +44 (0) 1278 425644

Web: www.ambersil.com

E-mail: sales.uk@crcind.com