

Silicone Heat Transfer Compound

Product Code: HTS

PRODUCT DESCRIPTION

Silicone Heat Transfer Compound is a metal oxide filled silicone oil providing an extremely efficient and exceptionally thermally conductive compound which will operate over a wide temperature range. Electrolube Heat Transfer Compound is recommended where the efficient and reliable thermal coupling of electrical and electronic components is required or between any surface where thermal conductivity of heat dissipation is important.

A full range of heat transfer products are available from Electrolube. This range includes non-silicone based pastes (HTC), a RTV rubber (TCR), an adhesive epoxy (TBS) and an epoxy based potting resin (ER2074). An even higher thermally conductive paste is also available, order code HTSP, for special applications where thermal management is critical.

FEATURES

- * Excellent non-creep characteristics.
- * Wide operating temperature range with low evaporation weight loss.
- * Excellent thermal conductivity even at high temperatures.
- * Easy to handle, economic in use and low in toxicity.

TYPICAL PROPERTIES

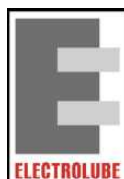
Colour:	White
Base:	Silicone Oil
Thermo-conductive Components:	Powdered Metal Oxides
Density @ 20°C:	2.10 g/cm ³
Temperature Range:	-50°C to +200°C
Thermal Conductivity:	0.9 W/m.K
Weight Loss after 96 hours @ 100°C:	0.80%
Permittivity @ 10 ⁶ Hz:	4.9
Specific Resistance:	1 x 10 ¹⁵ Ohms/cm
Dielectric Strength:	18 kV/mm
Penetration:	220-270

TECHNICAL DATA SHEET



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DIRECTIONS FOR USE

Apply to the base and mounting studs of diodes, transistors, thyristors, heat sinks, silicone rectifiers and semi-conductors, thermostats, power resistors and radiators.

PACKAGING

2 ml Syringe
10ml Syringe
35 ml Luer Lock Syringe
1 Kg Bulk

ORDER CODE

HTS02S
HTS10S
HTS35SL
HTS01K

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