

Technical Data Sheet



PRODUCT DESCRIPTION:	Non-Silicone Heat Transfer Compound	DATE:	03/97
PRODUCT CODE:	HTC	PAGES:	2

PRODUCT DESCRIPTION

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 or heat dissipation is important. They should be applied to the base and mounting studs of diodes, transistors, thyristors, heat sinks, silicone rectifiers and semi-conductors, thermostats, power resistors and radiators.

HTC contains no silicones and thus cannot migrate onto electrical contacts with consequent high contact resistance, arcing or mechanical wear. Similarly soldering problems caused by silicones will not be encountered.

A non silicone product is essential for applications where the use of silicone in any product is prohibited or where the specification set by the company states this.

A full range of heat transfer products are available from Electrolube. This range includes silicone based pastes for very high temperature applications (HTS), a RTV rubber (TCR), an adhesive epoxy (TBS) and an epoxy based potting resin (ER2074).

A 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.
- * Excellent thermal conductivity even at high temperatures.
- * Easy to handle.
- * Economic in use.
- * Low in toxicity.
- * White colour enables treated parts to be easily identified.
- * Low evaporation weight loss.

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PROPERTIES

Colour:	White
Base:	Blend of synthetic fluids
Thermo-conductive Component:	Powdered metal oxides
Thermal Conductivity:	0.9 W/mK
Density @ 20°C:	2.04 g/cm ³
Temperature Range:	-200°C to +130°C
Weight Loss after 96 hours @ 100°C:	1.4%
Permittivity @ 10 ⁶ Hz:	4.2
Specific Resistance:	1 x 10 ¹⁴ Ohms/cm
Dielectric Strength:	42 kV/mm
Penetration:	210-250

PACKAGING**ORDER CODE**

2 ml Syringe	HTC02S
10 ml Syringe	HTC10S
20 ml Syringe	HTC20S
35 ml Luer Lock Syringe	HTC35SL
1 Kg Bulk	HTC01K
25 Kg Bulk	HTC25K

Nato Stock No: 5835-99-775-5881 (20 ml Syringe)

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