# Non-Silicone Heat Transfer Compound

### **Product Code: HTC**

# 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.



TECHNICAL DATA SHEET



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#### **TYPICAL PROPERTIES**

Colour: Base: Thermo-conductive Component: Thermal Conductivity: Density @ 20°C: Temperature Range: Weight Loss after 96 hours @ 100°C: Permitivity @ 10<sup>6</sup>Hz: Specific Resistance: Dielectric Strength: Penetration:

#### White

Blend of synthetic fluids Powdered metal oxides 0.9 W/m.K $2.04 \text{ g/cm}^3$  $-50^{\circ}\text{C}$  to  $+130^{\circ}\text{C}$ 1.4%4.2 $1 \times 10^{14}$  Ohms/cm 42 kV/mm210-250

#### ORDER CODE

HTC02S HTC10S HTC20S HTC35SL HTC01K HTC25K

6850-99-775-5881 5835-99-775-5881 TECHNICAL DATA SHEET



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#### PACKAGING

2 ml Syringe 10 ml Syringe 20 ml Syringe 35 ml Luer Lock Syringe 1 Kg Bulk 25 Kg Bulk

#### NATO Stock No (10ml): NATO Stock No (20ml):