

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

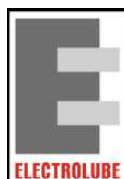
- * Excellent non-creep characteristics.
- * Wide operating temperature range.
- * Excellent thermal conductivity even at high temperatures.
- * Easy to handle.
- * Economic in use.
- * Low in toxicity.
- * White colour enables treated parts to be easily identified.
- * Low evaporation weight loss.

TECHNICAL
DATA
SHEET



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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification. Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.



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TYPICAL PROPERTIES

| | |
|--------------------------------------|------------------------------|
| Colour: | White |
| Base: | Blend of synthetic fluids |
| Thermo-conductive Component: | Powdered metal oxides |
| Thermal Conductivity: | 0.9 W/m.K |
| Density @ 20°C: | 2.04 g/cm ³ |
| Temperature Range: | -50°C to +130°C |
| Weight Loss after 168 hours @ 170°C: | 0.98% |
| Permittivity @ 10 ⁶ Hz: | 4.2 |
| Specific Resistance: | 1 x 10 ¹⁴ Ohms/cm |
| Dielectric Strength: | 42 kV/mm |
| Penetration: | 210-250 |

PACKAGING

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

ORDER CODE

HTC02S
HTC10S
HTC20S
HTC35SL
HTC700G
HTC01K
HTC25K

NATO Stock No (10ml): 6850-99-775-5881
NATO Stock No (20ml): 5835-99-775-5881

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