

Non-Silicone Heat Transfer Compound Aerosol

Product Code: HTCA

PRODUCT DESCRIPTION

Electrolube's **Non-Silicone Heat Transfer Compound Aerosol** is an innovative new way of applying our standard HTC. The aerosol version offers greater ease of use, allowing a thin, even film of HTC to be applied where required. It is especially useful for applications over larger areas. As with all Electrolube aerosols **HTCA** is 100% Ozone Friendly. Product contains **flammable solvent** therefore do not spray onto live electrical equipment or other sources of ignition.

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. It 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.

TECHNICAL
DATA
SHEET



**Copyright
Electrolube
2003**

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.



Non-Silicone Heat Transfer Compound Aerosol

- Page 2

- * Excellent thermal conductivity even at high temperatures.
- * Ease of use, particularly for larger applications.
- * Thin, even film coating.
- * Economic in use.
- * Low in toxicity.
- * White colour enables treated parts to be easily identified.
- * Low evaporation weight loss.

TYPICAL 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:	-50°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

200ml Aerosol

ORDER CODE

HTCA200

TECHNICAL
DATA
SHEET



**Copyright
Electrolube
2003**

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.

