

HCG Highly Conductive Grease

HCG is a copper-filled, water resistant, non-melting grease, ideal for application where low electrical resistivity is required. It contains highly effective corrosion inhibitors and can be used at high temperatures.

- Copper-filled lubricant; low electrical resistivity and high thermal conductivity
- Good plastics compatibility; testing of sensitive plastics is advised
- Good thermal performance; capable of sustaining operation at very high temperatures
- Excellent water resistance and adhesion characteristics; contains corrosion inhibitors

Approvals **RoHS-2 Compliant (2011/65/EU):** **Yes**

Typical Properties

Colour	Copper
Density (g/ml)	1.2
Temperature Range (°C)	-54 to +982
Evaporation Weight Loss (% 7 days @ 100°C)	0.12
Evaporation Weight Loss (% 7 days @ 125°C)	1.35
Copper Strip Corrosion (IP154 / ISO 2160)	≤1b
Drop Point (IP32 / ISO 2176 (°C))	205
Consistency (NLGI)	2
Oil Bleed / Separation (IP121)	5%
Thermal Conductivity (W/m.K)	0.50
Plastic Compatibility - ABS	Test
Plastic Compatibility - PC	Test
Thickener	Metallic Fillers
UV Trace	No

<u>Description</u>	<u>Packaging</u>	<u>Order Code</u>	<u>Shelf Life</u>
Highly Conductive Grease	50ml tube	HCG50T	72 months
	1kg Bulk	HCG01K	72 months

Typical Product Applications

Suitable for applications where an adhesive, conductive grease is required with the added properties of high temperature resistance and thermal conductivity.

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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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