



Technical Data Sheet

HCG Highly Conductive Grease

Product Description

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.

Features

- Low electrical resistivity
- High thermal conductivity
- Good plastics compatibility – testing advised
- Capable of sustaining operation at very high temperatures
- Excellent water resistance and adhesion characteristics

Approvals **RoHS Compliant (2002/95/EC):** **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/mK)	0.5
Plastic Compatibility - ABS	Test
Plastic Compatibility - PC	Test
Thickener	Metallic Fillers
UV Trace	No

<u>Packing</u>	<u>Order Code</u>	<u>Shelf Life</u>
50ml tube	HCG50T	72 months
1 Kg 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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