

# CG71

## Contact Treatment Grease

### Product Description

This contact lubricant is particularly applicable for the protection and cleaning of static and moving electrical arc interfaces. It has been specially developed to give a consistently low mV drop throughout the lifetime of the contact/switch. It also provides exceptional oxidation stability and high temperature silver and copper corrosion protection.

CG71 gives exceptionally low wear characteristics and has excellent low temperature performance. This makes it an ideal lubricant for high quality automotive and audio applications. The compatibility of this grease with most grades of plastic is good, although a plastic testing is always advisable prior to full scale production.

The unique properties of CG71 have been produced by using a blend of low viscosity base oils, containing anti-corrosion, anti-oxidant and metal protection additives, thickened with a complex soap. The use of a complex soap thickener, rather than clay or silica, has the benefit of producing smoother grease with superior mechanical properties. These include decreasing wear and producing a high quality switch "feel". In addition if the switch is exposed to extremely high temperatures over long periods, forcing the base oil to evaporate, the thickener will not remain as an insulative, abrasive layer on the contact surfaces.

### Features

- Produces exceptionally low and constant mV drop (and contact resistance)
- Extends switch lifetime
- Wide operating temperature range
- Optimal mechanical resistance
- Reduces electrical background noise
- Provides smooth, high quality switch "feel"
- Contains a UV trace to allow easy inspection

**Approvals**                      **RoHS Compliant (2002/95/EC):**                      **Yes**

#### **Typical Properties:**

Colour	Cream
Density (g/ml)	0.85
Temperature Range (°C)	-50 to +130
Evaporation Weight Loss (% 7 days @ 100°C)	0.1
Evaporation Weight Loss (% 7 days @ 125°C)	1.85
Copper Strip Corrosion (IP154 / ISO 2160)	≤1b
Drop Point (IP32 / ISO 2176 (°C))	200
Cone Penetration Un-Worked (ASTM D 217 @ 20°C)	300
Cone Penetration Un-Worked (ASTM D 217 @ -40°C)	220
Cone Penetration Worked (ASTM D217, 60 strokes @ 20°C)	310
Consistency (NLGI)	1
Fliess Druck (Flow Pressure) (DIN 51805, mbar @ -40°C)	300
Oil Bleed / Separation (IP121)	5%
Silver Corrosion (DIN 51759, 3 hrs @100°C)	No change
Plastic Compatibility - ABS	Test
Plastic Compatibility - PC	Test
Thickener	Lithium Complex Soap
UV Trace	Yes

#### **Base Oil Properties:**

Base Oil Type	PAO / Complex Ester
Pour Point (ASTM D 97 (°C))	-70
Flash Point (COC ASTM D 92 (°C))	220

Changam E&M®提供的所有数据都是真实的但不作担保，所列性能不应作为规范。

Changam E&M®不能保证与施工条件有关的产品性能，需尽可能在合适的施工条件下进行测试。更多信息请与Changam E&M®联系。

Version Number: 201200ELECG-71