

Contact Grease CG60

Product Code: CG60

PRODUCT DESCRIPTION

The **CG60** contact lubricant has been developed to offer enhanced electrical and mechanical properties, whilst being suitable for use with modern (and often very sensitive) plastics and under the more arduous conditions that are required by the leaders in today's automotive industry.

The main advantage of this product is reduced contact resistance, excellent plastics compatibility and improved mechanical lubrication. The use of **CG60** on switches and connectors guarantees a very low and stable contact resistance over the long lifetimes required by the automotive and domestic equipment industries.

The unique properties of CG60 have been produced by using a blend of several low viscosity base oils, thickened with a complex inorganic soap. The blend of base oils gives excellent plastics compatibility together with the electrical properties that have made Electrolube's original products world leaders in the switch industry.

The use of an inorganic thickener, rather than clay or silica, has the benefit of producing a 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. This is the case with greases made with other thickener technologies.

FEATURES

- * Produces low and constant mV drop (and contact resistance)
- * Extends switch lifetime
- * Optimal mechanical resistance
- * Reduces electrical background noise
- * Excellent plastics compatibility (even with ABS/PC) although testing is always advised.
- * Wide temperature range
- * Provides smooth, high quality switch "feel"
- * Contains a UV trace to allow easy inspection

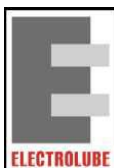
TYPICAL PROPERTIES

Colour:	Creamy white
Drop Point (ISO 2176):	200°C
Unworked 1/4 Cone	

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.



Contact Grease CG60 – Page 2

TECHNICAL
DATA
SHEET

Penetration (ASTM 217):	20°C 75 to 90 -40°C 50 to 60
Worked Penetration (ASTM 217):	20°C 330 to 340 (Typical 330)
Consistency (DIN 51818):	NLGI 1
Fließdruck (DIN 51805):	-40°C 300 mBar
Oil Separation (DIN 51817/IP121):	5%
Copper Corrosion (DIN 51759/IP112):	Class 1a (4h @ 150°C)
Silver Corrosion (DIN 51759):	No colour change (3h 100°C)
Infra Red (DIN 51820):	According to standard
Base Oil:	Complex mixture of synthetic base oils containing anti-oxidants, anti-corrosives and metal protection additives.
Pour Point:	-54°C
Density (base oil @ 20°C):	0.85 g/ml (ASTM D1298)
Thickener:	Complex inorganic thickener
Temperature Range	-45°C to +130°C

DIRECTIONS FOR USE

The main applications for **CG60** include column switches, rocker switches, push-push switches in the automotive and high quality domestic switch industries.

The exceptionally low wear characteristics also make this lubricant ideal for high quality audio applications, providing a very smooth, high quality feel operation.

CG60 has been specifically designed as a lubricant to ensure the low and stable electrical contact resistance across mating metal surfaces, by reducing harmful arcing and increasing the effective surface area of the switch. However, due the outstanding nature of its mechanical and plastic compatibility properties, it may also be used as a purely mechanical lubricant for plastic / plastic and plastic / metal interfaces.

In all applications, **CG60** will increase lifetime, eliminate noise and provide very smooth operation.

PACKAGING

35ml Syringe
800gms, packed into a 1 Litre Container
10kg, packed into a 12.5 Litre Container
20kg, packed into a 25.0 Litre Container

ORDER CODE

CG6035SL
CG60800G
CG6010K
CG6020K

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.

