



## Base Oil Properties

Base Oil Type	PAO / Complex Ester
Base Oil Viscosity @ 40°C (Kinematic Viscosity (mm <sup>2</sup> /s))	51
Base Oil Viscosity @ 100°C (Kinematic Viscosity (mm <sup>2</sup> /s))	8
Pour Point (ASTM D 97 (°C))	-54
Flash Point (COC ASTM D 92 (°C))	260

<u>Packing</u>	<u>Order Code</u>	<u>Shelf Life</u>	<u>Container Dimension</u>
6g sachet	ECG60_6GPL	6 months	
35ml Syringe	ECG6035SL	48 months	
310ml Cartridge	ECG60310ML	72 months	320ml Cartridge
800g Bulk	ECG60800G	72 months	114mm (Diameter) x 120mm (Height)
10kg Bulk	ECG6010K	72 months	254mm (Diameter) x 330mm (Height)
20kg Bulk	ECG6020K	72 months	305mm (Diameter) x 406mm (Height)

## Directions for Use

Before final treatment with Electrolube lubricants, contact surfaces should be clean and dry. For general removal of dirt, Electrolube ULS is recommended. Hardened dirt and tarnish, especially on larger contacts, should be removed by rubbing with an abrasive material, which can be impregnated with the lubricant to be used.

After cleaning non-wiping contacts, loosened tarnish should be removed before a final application of lubricant is made. Electrolube Contact Cleaning Strips (CCS) are recommended for this purpose. With wiping contacts, loosened tarnish will be pushed aside. This can be removed if desired, but is usually not necessary, due to the excellent lubricating and protective properties of the contact lubricant.

CG60 can be applied by one of the following methods (although this list is not exhaustive):

- Manually** by way of a syringe
- Semi-automated** using syringe dispensing equipment
- Fully automated** by way of a follower/pusher plate with dispensing system.

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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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BS EN ISO 9001:2008  
Certificate No. FM 32082

## **Typical Product Applications**

CG60's unique properties are achieved by 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, rather than clay or silica, has the benefit of producing a smoother grease with superior mechanical properties. Therefore decreased wear and a high quality switch "feel" are provided. In addition to these properties, 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.

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.

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