



Lab Certified Lubricants

PRODUCT DATA SHEET

Open Gear Lubricant

CIM Open Gear Lubricant KG10 Grease

Product Description

CIM Open Gear Lubricant KG10 Grease is a sprayable, highly viscous, adhesive lubricant developed for the lubrication of large open gears operating under heavy-duty and shock-load conditions.

It is formulated from carefully selected high-viscosity mineral and synthetic base oils, thickened with an aluminium complex soap system. The product contains specialised chlorine-free and heavy metal-free extreme pressure additives, together with finely dispersed colloidal graphite and adhesion-enhancing additives.

The formulation provides excellent lubricating film stability, strong adhesion to gear tooth surfaces, and reliable protection under boundary lubrication conditions. The product is solvent-free.

Applications

CIM Open Gear Lubricant KG10 Grease is recommended for the lubrication of large open gear drives where high load-carrying capacity, shock-load resistance and strong adhesion are required.

Typical applications include:

- Large open gears
- Girth gears
- Kiln and mill gears
- Mining and mineral processing equipment
- Cement plant open gear systems
- Heavy industrial gear drives operating under slow speed and high load
- Spray-lubricated open gear systems

The high base-oil viscosity provides good damping characteristics, making the product suitable for heavy-duty applications where impact loading and vibration may occur.

The product can be applied economically through common automatic spray lubrication systems. At temperatures below +5 °C, additional heating of the lubricant or spray system may be required to ensure correct spray ability and distribution.

Performance Benefits

- Excellent protection against wear
- Strong lubricating film stability at low consumption rates
- Outstanding extreme pressure performance
- Excellent adhesion to gear tooth surfaces
- Helps reduce tribo corrosion
- Water-resistant
- Suitable for automatic spray lubrication systems
- Solvent-free formulation
- Free of chlorine and heavy metals
- Contains finely dispersed colloidal graphite for additional solid-film protection

Typical Characteristics: CIM Open Gear Lubricant KG10 Grease

Property	Test Values
Product type	Sprayable open gear lubricant
Thickener type	Aluminium complex
Base oil type	High-viscosity mineral and synthetic oils
Solid lubricant	Colloidal graphite
Colour	Black
NLGI grade	0-00
Base oil viscosity @ 40 °C	10,000 mm ² /s
Dropping point	190 °C
Operating temperature range	+5 °C to +140 °C
Solvent content	Solvent-free
Chlorine / heavy metal content	Free of chlorine and heavy metals

Users advised against: Any use outside the stated application without technical confirmation.

CIM Open Gear Lubricant KG10 Grease

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Storage & Packaging

Store in a cool, dry, well-ventilated area.

Protect from direct sunlight and contamination.

www.cimlubricants.com

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Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet.