

MOL Calton G 3

calcium-base lubricating grease



MOL Calton G 3 is a water absorbing lubricating grease produced from highly refined mineral oil and a calcium thickener. Due to its graphite content, it has an increased ability to withstand high loads. Its properties are beneficial at low temperatures, but it cannot be used at temperatures above +70°C. This is because the small quantity of water, that stabilizes the grease structure, evaporates at higher temperatures, and its structure is destroyed. It is a medium soft, black lubricating grease. The temperature range of application is between -30 °C and +70 °C.

Application



Equipment subject to high risk of seizure
Axles, joints and accessories exposed to water
In case of electrical conductivity demand
Wire ropes
Screw threads, small gear wheels, springs
Individual lubrication systems

Features and benefits

High performance solid additive content

Solid additives increase the load-carrying properties at lubrication points, so the risk of seizure is reduced
Reduces heat of friction, even in mixed lubrication conditions, so increases the service life of lubricating grease

Good dynamic water resistance

Reliable lubrication, even under load in the presence of water, so no runing off the lubrication point

Good storage stability

Long-term storage is possible without oil separation or lubricating grease hardening

Improved wear protection

Wear of contacting surfaces is significantly reduced
Reliable equipment protection and long machine lifetime

Partial electrical conductivity

Conducts electricity due to its graphite content

Good sealing properties

Effectively protects against contaminant ingress and consequent surface damage
Reduced risk of damage due to contaminated grease, giving a longer lubricant service life

Excellent corrosion protection

Long-term protection against surface damage, even in the presence of moisture
Effectively contributes to potential reduction of maintenance costs

Good yellow metal compatibility

Prevents premature deterioration of non-ferrous metal parts

Specifications and approvals

NLGI grade: NLGI 3
DIN 51502: KF3C-30
ISO 6743-9: L-XCAHB 3

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Properties

Properties	Typical values
Appearance	black, homogenous
Base oil viscosity at 40 °C [mm ² /s]	100
Dropping point [°C]	95
Penetration after 60 strokes at 25 °C [0,1 mm]	235
Four ball test, weld load [N]	1900
Corrosion at 60°C/ 12 h (steel)	pass
Corrosion at 60 °C/ 3 h (copper) [grade]	1 b
Dynamic water - resistance at 79 °C [mass %]	1
Graphite content [mass %]	4,5

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

The product does not contain any toxic materials. During storage and handling the product usual health safety regulations for mineral oil products should be observed. It should be stored at covered place, free of direct sunlight and moisture.

In the original container under the recommended storage conditions: 36 months

Recommended storage temperature: -5°C - +45°C

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13006068 MOL Calton G 3 8KG

8 kg steel pail (for order only)

13006067 MOL Calton G 3 50KG

60 l steel drum (for order only)

13006066 MOL Calton G 3 180KG

213 l steel drum (for order only)

Order booking:

Please contact your local distributor or sales partner for ordering details.