

# MOL Neoma K 3 S

## calcium complex lubricating grease



MOL Neoma K 3 S is a lubricating grease produced from highly refined base oil components and a calcium complex thickener, that enable beneficial evaporation and oxidation properties even at high temperatures. It also has inherent EP properties. Because of its excellent water resistance, it is ideal for lubricant applications exposed to high loads in the presence of water. It is a semi-hard, smooth, brown coloured lubricating grease. The temperature range of application is between -30 °C and +120 °C, although with regular regreasing, up to +140 °C.

### Application



- High temperature applications
- Heavy-duty sliding and rolling bearings
- Equipment exposed to dynamic water loads
- Equipment exposed to vibration
- Axles, joints and accessories exposed to water
- Individual lubrication systems

### Features and benefits

Excellent load-carrying properties	Lubricating film is not broken, even under heavy loads, due to its natural EP properties Contributes to increasing equipment lifetime
Improved wear protection	Wear of contacting surfaces is significantly reduced Improved operational safety and high level of availability
Good tackiness, giving improved dynamic water resistance	Forms a continuous lubricating film which adheres strongly to the metal surface, even under loads in the presence of water Reduced losses due to leakage, so re-lubrication cycle time is increased Not washed out from the lubrication point, even on exposure to a large volume of water
Excellent pumpability	Applicable in central lubricating systems safely, even at varying temperatures Can be transferred continuously even in long pipelines, does not harden and does not cause missed greasing
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
Exceptional thermal and oxidation stability	No hardening of lubricating grease at high temperatures and minimum oil separation Cycle time of re-lubrication can be increased significantly Operational, maintenance and disposal costs are reduced
Excellent corrosion protection	Extreme long term protection of steel and non-ferrous metal parts even in the presence of moisture Long machine lifetime, so reduced maintenance cost

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### Specifications and approvals

NLGI grade: NLGI 2/3  
DIN 51502: K2/3K-30  
ISO 6743-9: L-XCCHB 2/3

### Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm <sup>2</sup> /s]	100
Dropping point [°C]	300
Penetration after 60 strokes at 25 °C [0,1 mm]	265
Four ball test, weld load [N]	2200
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	40
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1 b
Oil separation (100 °C/24 h) [mass %]	2
Oil separation (150 °C, 24 h) [mass %]	5
Free alkali content [NaOH %]	0,05
Ash [mass %]	6,0

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: 24 months

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

### Ordering information

Custom Tariff Number 27101999

#### SAP code and packaging:

13006467 MOL Neoma K 3 S 8KG

8 kg steel pail (for order only)

13006466 MOL Neoma K 3 S 180KG

213 l steel drum (for order only)

#### Order booking:

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