

MOL Neoma CX 2EP

calcium complex lubricating grease



MOL Neoma CX 2EP water resistant lubricating grease is produced from premium mineral base oils and calcium complex thickener. It also has inherent EP properties. The product contains antiwear, antioxidant, anticorrosion and extreme pressure (EP) additives.

It is suitable for the lubrication of bearings working at slow and medium speeds, exposed to heavy loads in a wide temperature range. Due to its excellent pumpability it is recommended for central lubricating systems for a long way transfer (eg. steel industry).

It is moderately soft, brown coloured lubricating grease.

Temperature range: between -30°C and +140°C (regular regreasing +180°C)

Application



Equipment exposed to dynamic water loads

High temperature applications

Heavy-duty sliding and rolling bearings

Equipment exposed to vibration

Individual and central supply lubrication systems

Features and benefits

Excellent load-carrying properties

Lubricating film is not broken, even under heavy loads, due to its natural EP properties

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
Not washed out from the lubrication point, even on exposure to a large volume of water
Reduced losses due to leakage, so re-lubrication cycle time is increased

Excellent wear protection

Reduced wear of contacting surfaces, even under varying operating conditions
Improved operational safety and high level of availability

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

Resistant to vibration

Lubricating grease structure remains stable; grease does not soften or run off the greasing point

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

Excellent corrosion protection

Effective surface protection of steel and non-ferrous metal parts, even under heavy loads in the presence of water

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Specifications and approvals

NLGI grade: NLGI 2
DIN 51502: KP2N-30
ISO 6743-9: L-XCDHB 2

Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm ² /s]	120
Dropping point [°C]	300
Penetration after 60 strokes at 25 °C [0,1 mm]	280
Four ball test, weld load [N]	3000
Timken OK load [kg]	18
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	25
Corrosion at 70 °C/ 5 h (steel)	pass
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1A
Copper corrosion at 70 °C/ 5 h [grade]	1A
EMCOR test, distilled water [grade]	1
Dynamic water - resistance at 79 °C [mass %]	9
Static water resistance at 90 °C [grade]	1-90
Oil separation (100 °C/24 h) [mass %]	4
Oil separation (150 °C, 24 h) [mass %]	6,5
Flow pressure at -20 °C [mbar]	450

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: max. 40°C

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13005318 MOL Neoma CX 2EP 180KG

213 l steel drum (for order only)

Order booking:

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