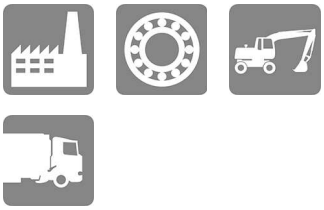
MOL Sulphoplex 2EP M

calcium sulphonate complex grease

MOL Sulphoplex 2EP M calcium-sulphonate-complex lubricating grease produced from highly refined high viscosity base oil components, that have beneficial evaporation and oxidation properties even at high temperatures.
The product has excellent antiwear, extreme pressure (EP) and water resistance properties. Its excellent adhesion to metal and water resistance make it suitable for lubrication of places exposed to high dynamic water.
It is the primary lubricating grease of industry, where the extreme loaded bearings are in continuous contact with water. One of the special properties of the grease is that its consistency and load carrying capacity do not change significantly in case of high quantities of water.
It is a moderately soft, black lubricating grease, with 3% MoS2 content.
The temperature range of application is between -15 °C and +160 °C.

Application



Equipment subject to high risk of seizure
Equipment exposed to dynamic water loads
Heavy-duty sliding and rolling bearings
Equipment exposed to vibration
Bearings of rollers in the paper industry
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
Multipurpose lubricating grease	Wide range of applicability enables reduction of the number of lubricating oils Problems due to mixing of lubricating greases are minimized
Outstanding dynamic water resistance	No significant change in consistency and load-carrying properties, even on exposure to a large volume of water
Excellent load-carrying properties	Forms a continuous lubricating film that does not break even under dynamic load conditions
Excellent tackiness	Forms a stable and uniform lubricating film, which is not squeezed from between contacting surfaces even under heavy loads Prevents metallic contact at low speeds Reduced losses due to leakage and reduced environmental pollution
Excellent wear protection	Reduced wear of contacting surfaces, even under varying operating conditions
High base oil viscosity	Contributes to formation of a stable, continuous lubricating film, with increased load-carrying ability

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Features and benefits (continue)

Resistant to vibration	Lubricating grease structure remains stable; grease does not soften or run off the greasing point
Good corrosion protection	Long-term protection of steel and non-ferrous metal parts even in the presence of moisture
Good mechanical and storage stability	Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point
Exceptional thermal and oxidation stability	No hardening of lubricating grease at high temperatures and minimum oil separation

Specifications and approvals

NLGI grade: NLGI 2
DIN 51502: KPF2P-15
ISO 6743-9: L-XBEHB 2

Properties

Properties	Typical values
Appearance	black, homogenous
Dropping point [°C]	300
Four ball test, weld load [N]	4400
Four ball test 60 min/400 N wear diameter [mm]	0,45
Penetration after 60 strokes at 25 °C [0,1 mm]	290

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