

MOL Sulphoplex 2EP HDX

calcium sulphonate complex grease



MOL Sulphoplex 2EP HDX 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.

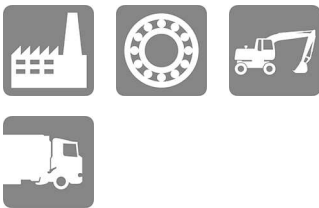
The product has excellent antiwear, extreme pressure (EP) and water resistance properties. Its excellent adhesion to metal and water resistance make it suitable for lubrication of places exposed to high dynamic water.

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, brown lubricating grease.

The temperature range of application is between -15 °C and +160 °C.

Application



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

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

Resistant to vibration

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

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Features and benefits (continue)

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: KP2P-20
ISO 6743-9: L-XBEHB 2

Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm ² /s]	430
Dropping point [°C]	300
Shell Roll stability (100 °C/24h) penetration change [0,1 mm]	0
Four ball test, weld load [N]	3800
Four ball test 60 min/400 N wear diameter [mm]	0.4
Copper corrosion (100 °C, 24 h) [grade]	1
Oil separation (40°C/168h) [mass %]	0.75
Flow pressure at -10 °C [mbar]	700
Penetration after 60 strokes at 25 °C [0,1 mm]	280
Dynamic water - resistance at 79 °C [mass %]	1

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

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Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13303195	MOL Sulphoplex 2EP HDX 400GR	400 g scroll (for order only)
13303019	MOL Sulphoplex 2EP HDX 8KG	8 kg steel pail (for order only)
13303020	MOL Sulphoplex 2EP HDX 50KG	60 l steel drum (for order only)
13302678	MOL Sulphoplex 2EP HDX 180KG	213 l steel drum (for order only)

Order booking:

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