

LUBCHEM HP 3101, HP 3102

Special high-temperature lubricating greases



LUBCHEM KOREA

Description

LUBCHEM HP 3101 and HP 3102 are special high-temperature lubricating greases based on mineral oil and polyurea thickener.

In particular, in the case of LUBCHEM HP 3101, it is a product that has obtained NSF H2 certification, which is a food grade.

This special NSF H2 registered grease has been designed for the lubrication of rolling bearings under the varying operating conditions of the food processing industry.

The use of LUBCHEM HP 3101 and HP 3102 can contribute to increase reliability of your production processes.

These products have a wide service temperature range and can be applied in rolling bearing up to 180°C. If the lubricants are used in central lubrication systems, operating temperatures up to 200°C are possible.

LUBCHEM HP 3101 and HP 3102 feature highly effective anti-wear properties and have a good load-carrying capability due to special EP additives. These greases are very adhesive and resistant to water both under static and dynamic load. LUBCHEM HP 3101 and HP 3102 are resistant to oxidation, extremely resistant to aging and provide reliable protection against corrosion.

Application

LUBCHEM HP 3101 and HP 3102 are suitable for the lubrication points as follows.

- Continuous casting installations : drive rollers, conveyor rollers
- Hot rolls in cardboard manufacturing plants
- Shut-off gates in bulk material installations
- Cooling beds, conveyor systems
- Rotary kilns
- Machines and installations in the automotive, beverage, glass and ceramics industries
- Main and roller bearings in Pellet-mills

Storage

Store in a dry place away from direct sunlight.

Pack sizes

15kg (pail), 180kg (drum)

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- Good water resistance
- High upper service temperature up to 180°C, with total loss lubrication in central lubrication systems up to 200°C
- Good corrosion protection
- High load-carrying capacity
- Excellent anti-corrosion properties
- Good sealing effect
- NSF H2 registration : LUBCHEM HP 3101

Ver. 220704_KHK



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Test Item	Unit	Test Method	LUBCHEM HP 3101	LUBCHEM HP 3102
Thickener	-	-	Urea	Urea
Base oil Type	-	-	Mineral	Mineral
Color	-	-	Brown	Brown
Service Temperature	°C		-20 ~ 180	-20 ~ 180
Base oil Kinematic viscosity	mm ² /s	40°C	400	400
Worked Penetration	0.1mm	ASTM D 217	310~340	265~295
NLGI Grade		ASTM D 1092	1	2
Drop Point	°C	ASTM D 2265	> 240	> 240
Evaporation Loss	Wt.%, 99°C/22h	ASTM D 972	< 0.5	< 0.5
Oil Separation	Wt.%, 100°C/24h	ASTM D 6184	< 5.0	< 4.0
Oxidation Stability	Kg/Cm ² , 99°C/100h	ASTM D 942	< 0.5	< 0.5
Copper Corrosion	grade, 100°C/24h	ASTM D 4048	< 1	< 1
Water content	grade	ASTM D 95	Trace	Trace
Four ball wear	(40Kg/75°C/1200rpm/ 1h)	mm	ASTM D 2596	< 0.60
Four ball EP	Kgf	ASTM D 2266	≥126	≥126

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