

EP lubricating greases

Lithium lubricating greases ISO L-XCCHB 00, 0, 1, 2, 3

FOR[®] EP

FOR[®] EP are smooth structure lithium multipurpose lubricating greases. They are produced on the basis of higher fatty acids lithium soap and highly refined mineral oil. They contain corrosion and oxidation inhibitors, additive package that reduces wear and improves high load carrying capacity. On the contact surfaces they form a film of exceptional resistance to high pressures. They are resistant to the effect of water and moisture.

ADVANTAGES

- Excellent mechanical stability.
- High degree of lubricating assembly block protection against corrosion and rust.
- Good resistance to the effect of water and moisture.
- Good lubricity at increased loads.
- Good adhesion, the film of exceptional resistance to high pressures is formed on the contact surfaces.
- Excellent EP and antiwear properties
- Good low temperature properties.

QUALITY LEVEL

ISO 6743-9: L-X CCHB 00, 0, 1

DIN 51502: KP 00K-30 , KP 0K-30, KP 1K-30

ISO 6743-9: L- X CCHB 2 , 3

DIN 51 502: KP 2K-30 , KP 3K-30

SRPS B.H3.624

SCOPE OF APPLICATION

- Automotive vehicles
- Construction industry
- Mining industry
- Loaded lubricating assembly blocks in different industries

APPLICATION

- Lubrication of roller and sliding bearings that work in conditions of increased pressures and loads.
- FOR[®] 00 EP - central lubrication of automotive vehicles and low-speed reducers
- FOR[®] 0 EP - lubrication of low-speed closed gear and worm gearboxes and bearings in central systems
- FOR[®] 1 EP – central lubrication of loaded machine assembly blocks
- FOR[®] 2EP/3EP – lubrication of bearings, joints, slideways, toothed couplings, loaded lubricating assembly blocks on excavators, presses, calenders, rolling mill stands and other industrial equipment.

- Temperature range of application: -30°C to +115°C FOR 00 EP; FOR 0 EP; FOR 1 EP
-30°C to +120°C FOR 2 EP; FOR 3 EP

TYPICAL CHARACTERISTICS

Characteristics	Units	Values					Methods
FOR®	-	00	0	1	2	3	DIN 51 818
Colour	-	green					visual
Soap type/Thickener	-	Lithium soap					-
NLGI grade	-	00	0	1	2	3	DIN 51 818
Working penetration at 25°C , 60 cycles	mm/10	420	370	320	280	235	SRPS ISO 2137
Dropping point	°C	160	175	185	190	190	SRPS ISO 2176
Kinematic viscosity of base oil at 40°C	mm²/s	ca 130					SRPS ISO 3104
Oxidation stability,100h/100°C	kPa	30					ASTM D 942
Copper corrosion, 24 h /100°C	degree	1					ASTM D 4048
Water resistance at 90°C	rating	1					DIN 51 807/1
EMCOR test 168 h /dist. water	rating	-			0/0		DIN 51 802
Weld load	N	2500			3150		ASTM D 2596
SKF R 2F test A	rating	-	-	satisfactory			DIN 51 806
Temperature of application	°C	-30 to +115			-30 to +120		

STORAGE

Store in a covered area, protected from direct influence of sun and moisture, away from the ignition source. Recommended storage temperature: - 5°C to +25°C.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Cans of (0,8, 4 and 20) kg, tin drums of 180 kg
FOR 2EP 50 kg, container and eurocartridge of 0,4kg

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.

