

Lithium lubricating grease for long-term lubrication **ISO L-XCCHB 2**

FOR[®] LPD 2/EP

FOR[®] LPD 2/EP lubricating grease is produced on the basis of lithium soap of higher fatty acids, high viscosity index mineral oils and special PD additives. According to its functional properties it belongs to specialty lubricants suitable for long-term lubrication. It does not contain solid lubricants. It is compatible with lithium lubricating greases.

ADVANTAGES

- Excellent EP and antiwear properties for longer time period.
- Excellent mechanical and colloidal stability.
- Very high degree of protection of the lubricating assembly block from corrosion and rust.
- Excellent pumpability for longer distances.
- Good thermal stability, resulting in high resistance to temperature variations.
- Good tackiness, on contact surfaces it forms the film of exceptional resistance to high pressures.
- Compatible with Li lubricants.

QUALITY LEVEL

ISO 6743-9: L-X CCHB 2
DIN 51 502: :KP 2 K-30

SCOPE OF APPLICATION

- Construction, agricultural, mining machinery
- Transportation means, heavy motor vehicles

APPLICATION

FOR[®] LPD 2/EP lubricating grease is applied for long-term lubrication of sliding bearings, joints, cardan joints, hubs, wheel bearings and other machine assembly blocks in difficult and unfavourable conditions such as high and impact loads, vibrations, elevated operating temperatures and moisture influence.

It is also used to improve sealing of the lubricated assembly blocks.

- Temperature range of application: -30 to +130°C

TYPICAL CHARACTERISTICS

Characteristics	units	FOR® LPD 2/EP	methods
Colour		light brown	visual
Soap type/ Thickener	-	Lithium soap	-
NLGI grade		2	DIN 51 818
Working penetration at 25°C , 60 cycles	mm/10	280	SRPS ISO 2137
Dropping point	°C	190	SRPS ISO 2176
Kinematic viscosity of base oil at 40°C	mm ² /s	ca 215	SRPS ISO 3104
Water resistance, 90 °C	rating	1	DIN 51 807/1
EMCOR test,168h dist.water	rating	0/0	DIN 51 802
Average wear diameter	mm	0,50	ASTM D 2266
Weld load	N	3150	ASTM D 2596
Flow pressure, -30°C	mbar	2000	DIN 51 805
FAG FE 9 (120 °C /1500N/6000o/min),L ₅₀	h	>1000	DIN 51 821/2
Temperature of application	°C	-30 to +130	

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 20 kg and tin drums 180 kg.

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

