

“Heavy Duty” lubricating grease

Lithium complex lubricating grease ISO L-XBDIB 2

FORPLEX[®] HD 2

FORPLEX HD 2: lithium complex EP lubricating grease, produced from a mixture of high quality synthetic oils (PAO and esters) and mineral base oil and lithium complex soap. It contains functional additives as well as antioxidants and corrosion inhibitors. The composition of greases and the technological process of production provide smooth, mildly elastic structure, good mechanical and thermal stability which makes it suitable for operation in heavy duty exploitation conditions and at elevated temperatures. It is applied for the lubrication of equipment in conditions where lithium conventional lubricating grease is limited.

ADVANTAGES

- Increased high load carrying capacity
- Very high temperature stability (dropping point over 250°C)
- Exceptional shear stability (owing to a very stable complex soap and technological process of production)
- Improved EP properties extend the life of the bearings, which reduces maintenance and repair costs
- Excellent lubricating ability
- It forms a uniform lubricating film that is stable and resistant to moisture and temperature variations
- Noise level reduction

QUALITY LEVEL

ISO 6743-9: L- XBDIB 2

DIN 51502 : KP 2N –25

SCOPE OF APPLICATION

- Construction, mining, agricultural machinery
- Transportation devices
- Motor vehicles
- Presses for the processing of biomass in pellets

APPLICATION

- Lubrication of sliding and roller bearings operating in difficult working conditions, at elevated temperatures, high loads and low speeds.
- Lubrication of bearings of road and rail wheels, joints, chassis, load lubricating assembly blocks.
- Lubrication of sliding and roller bearings in furnaces, mills, dryers.
- Wide application in different industries requiring NLGI 2 lubricating grease in conditions of elevated temperatures and high loads.

- Temperature range of application: -25°C to +150 °C

TYPICAL CHARACTERISTICS

Characteristics	Units	FORPLEX HD 2	Methods
Colour		brown	visual
Soap type/Thickener	-	Lithium complex	-
NLGI grade	-	2	DIN 51 818
Working penetration at 25°C , 60 cycles	mm/10	280	SRPS ISO 2137
Change of penetration at 25°C, 10 000 cyc.	%	8	SRPS ISO 2137
Dropping point	°C	270	ASTM D 2265
Kinematic viscosity of base oil at 40°C	mm ² /s	ca 450	SRPS ISO 3104
Oil separation, 168 h /40 °C	%	3	BS 2000/121
Copper corrosion, 24h/100 °C	degree	1a	ASTM D 4048
Water washout, 1h/79,4 °C	%	5	ASTM D 1264
EMCOR test,168h dist. water	rating	0/0	DIN 51 802
FOUR BALL-weld load	N	8000	ASTM D 2596
Temperature of application	°C	-25 to +150	

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 20 kg and tin drum of 180 kg

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

