

## **Lithium-calcium lubricating grease for special purposes**

### **ISO L-XBCHB 2**

# **FORKAL**

FORKAL: lubricating grease produced on the basis of lithium-calcium soap, mineral oils of high viscosity index and additives that provide long-term stability and functional properties.

#### **ADVANTAGES**

- Excellent EP and anti-wear properties for a longer time interval
- Exceptional protection against corrosion and oxidation
- Excellent mechanical and colloidal stability
- Excellent water washout resistance
- Good rheological properties in wider temperature interval

#### **QUALITY LEVEL**

ISO 6743-9: L- X BCHB 2  
DIN 51502:KP 2K-20

#### **SCOPE OF APPLICATION**

- Agricultural and construction machinery
- Automotive industry
- Different industries where high levels of moisture and weak alkalis are present

#### **APPLICATION**

FORKAL lubricating grease is applied primarily for long-term lubrication of roller and sliding bearings, joints, boxes, axles, gears and other machine assembly blocks in difficult and unfavourable conditions, such as high loads, vibrations, increased operating temperatures and high level of moisture.

- Temperature range of application: -20 °C to +120 °C

#### **TYPICAL CHARACTERISTICS**

Characteristics	Units	FORKAL	Methods
Colour	-	dark brown	visual
Soap type/Thickener	-	Lithium-calcium 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 <sup>2</sup> /s	ca 145	SRPS ISO 3104
Oil separation, 168 h /40 °C	%	1	BS 2000/121
Water washout, 1h/79,4 °C	%	1	ASTM D 1264
EMCOR test,168h, dist. water	rating	0/0	DIN 51 802
Average wear diameter	mm	0,45	ASTM D 2266
Weld load	N	4000	ASTM D 2596
Temperature of application	°C	- 20 to +120	

December, 2016

#### 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 (0.4; 0.8; 4 and 20)kg and tin drums of 180 kg.

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

