

Lubricating greases for sliding bearings and slideways
Calcium lubricating greases, ISOL-XBBHA 1, 2, 3

GKLM[®] NK

GKLM[®] NK: smooth structure lubricating greases made on the basis of calcium soap, highly refined mineral oil and graphite.

ADVANTAGES

- Excellent mechanical and colloidal stability.
- Very high resistance to washout effect of water and moisture.
- Good adhesion and smooth structure.
- Good pumpability.
- Good low temperature properties.

QUALITY LEVEL

ISO 6743-9: L-X BBHA1, 2, 3

DIN 51502 : KF 1E -25; KF 2E -25; KF 3E -25;

SCOPE OF APPLICATION

- Agricultural machinery
- Industrial equipment
- Mining

APPLICATION

- Lubrication of sliding and roller bearings, slideways, guides, joints, steel ropes, chains, sprockets, gears and other lubricating assembly blocks operating in conditions of increased loads, low speeds and moderate operating temperatures, especially in conditions of significant impact of water and moisture.
- They are also used for the lubrication of moulds and pistons of pressurized casting machines.
- Temperature range of application: -25°C to +90 °C

TYPICAL CHARACTERISTICS

Characteristics	Units	Values			Methods
		1	2	3	
GKLM [®] NK	-	1	2	3	-
Colour	-	black			visual
Soap type/Thickener	-	Calcium soap			-
NLGI grade	-	1	2	3	DIN 51 818
Working penetration at 25°C, 60 cycles	mm/10	320	280	235	SRPS ISO 2137
Penetration change at 25°C, 10000 cycles	%	5			SRPS ISO 2137
Dropping point	°C	100	105	105	SRPS ISO 2176
Kinematic viscosity of base oil at 40°C	mm ² /s	100			SRPS ISO 3104
Oil separation, 168 h /40 °C	%	2	1	1	BS 2000/121
Water washout, 40°C	%	5	2	1	ASTM D 1264
EMCOR test,168h, dist. water	rating	0/0			DIN 51802
Weld load	N	2000			ASTM D 2596
Temperature of application	°C	-25°C to +90 °C			

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 kg and 20 kg and tin drums of 180 kg.

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

