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KL COMPLEX 200

COMPLEX LITHIUM GREASE for HIGH TEMPERATURES

DESCRIPTION

KL COMPLEX 200 has been designed to be used in any kind of bearing under high temperatures. It does not flow when working in between the service temperature range.

KL COMPLEX 200 creates a "protector shield" which impeaches the external agent's action like dust, humidity, water. They do not affect it. The **KL COMPLEX 200** "protector shield" makes that the greases does not flow out of the mechanism. This particular characteristic has been achieved through a careful selection of the grease structure and rheology; so the grease does not "harden" like in normal greases due to the oxidation at high temperature.

The careful selection of the antioxidants provides to the **KL COMPLEX 200** an efficient and long life at high temperature.

It is free of lead, heavy metals and other products detrimental to the environment.

APPLICATIONS

Bearings and other mechanisms under high temperature, in Steel, Paper, Rubber, Plastic, Cement, Paint Industries.

It is also recommended for transport vehicles (Public Works, Fleets, Cement; Mines) thanks to its excellent efficiency in wheel axle boxes, electric brakes (more than 100.000 km without greasing) and so on....

DIRECTIONS FOR USE

KL COMPLEX 200 has been designed to be used in mechanism lubricated by lubricators like STAUFFER, TECALEMIT.

KL COMPLEX 200 is compatible with the mineral greases, lithium and lithium complex based. If it is not the case, consult our Technical Department.

BENEFITS

- Long lasting at temperatures near 180ºC (peak to +200ºC).
- High resistance to oxidation.
- Good speed factor.
- High corrosion protection.
- Excellent antiwear characteristics.
- Environment friendly.

CHARACTERISTICS

Working temperatures	From -20 to +180ºC (peak of 200ºC)
Colour	Bluish Green
Density (ASTM-D-1574)	0.90 kg/dm^3 approx.
Base	Lithium Complex soap, mineral oil
NLGI consistency	2
Penetration at 60 strokes (ASTM-D-217)	265 -295 mm/10
Penetration change after 100.000 strokes (ASTM-D217)	30 mm/10 max.
Drop point (ASTM-D-566)	280ºC min.
Water resistance (DIN 51807, part.1), level	0
Corrosion protection (ASTM-D-1743)	pass (level 1)
Oxidation stability (ASTM-D-942)	
100 h at 100 ºC, pressure drop	< 34 kPa (5 psi)
500 h at 100 ºC, pressure drop	103 kPa (15 psi)
Oil separation, 7 days at 40ºC (DIN 51817)	4% max.
SHELL 4-ball test, weld load (ASTM-D2596)	240 kg min.
Lead and heavy metal	Free

Note: These data are average values after different tests. Due to the great variety of working conditions, these data do not constitute a base for specifications. KRAFFT reserves the right to change the specifications without previous notice.