



KRAFFT S.L.
P.O.Box 14
E-20140 Andoain - SPAIN
Fax:+34 943 410 430
Phone:+34 943 410 460
E-mail: export@krafft.es
Web site: www.krafft.es

TECHNICAL INFORMATION

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KL COMPLEX 280

LITHIUM COMPLEX GREASE for HIGH TEMPERATURE, LOAD and WATER RESISTANCE

DESCRIPTION

KL COMPLEX 280 is a grease based on a lithium complex soap and highly refined mineral oil, with special additives: EP (Extreme Pressure), anticorrosion, antioxidant and antiwear. It has a high drop point and high stability against water. It is a long lasting grease to be used up to +160°C (peaks of +200°C).

KL COMPLEX 280 is free of lead, heavy metals and other products detrimental to the environment.

APPLICATIONS

KL COMPLEX 280 is especially designed to be applied in any kind of roller and plain bearings, even at high speed. It is also suitable for guides, joints, pins and bushings, wagons housing boxes and so on, where good protection is needed against **high temperature, load and water**.

TECHNICAL CHARACTERISTICS

Aspect	Yellow grease
Base	Lithium complex soap, mineral oil
Base oil viscosity grade (ASTM-D445)	ISO VG 460
Drop point (ASTM-D-566)	≥ 280 °C
NLGI Consistency	2
Penetration at 60 strokes (ASTM-D-217).....	265 - 295 mm/10
Oil separation (7 days at 40°C, DIN 51817)	3%
Copper strip corrosion, 24 h. at 100°C (ASTM-D-130) ...	1b
Water washout test at 80°C (ASTM-D-1264), weight loss .	3 %
Shell 4-ball test, Weld load (DIN 51350, part 4).....	≥ 2400 N
Wear scar, diameter (ASTM-D-2266)	0.5 mm

Thanks to its high drop point and high stability at **high temperatures**, it allows to increase the relubrication periods.

Typical applications: bearings of fans, dryer rollers, continuous steel casting line, hot mill steel line...

DIRECTIONS FOR USE

KL COMPLEX 280 is applied like conventional greases with brush, spatula, grease gun or in centralised lubrication system.

BENEFITS

- High load carrying capacity.
- Excellent resistance to oxidation, so long lasting at 160°C (peaks of 200°C).
- High stability against water.
- Very good anticorrosion properties.
- Simplifies considerably the inventory as it can be used in most of the industrial applications.