

CALIOPAL

HIGH PERFORMANCE
EXTREME PRESSURE GREASES

310017-310021-310063-310064-310065-310066/01.18

Rev. 2

DESCRIPTION & APPLICATIONS

CALIOPAL are lithium-calcium soap greases with extreme pressure (EP) properties, recommended for heavy loaded materials, working at low speeds, and especially in presence of water. This is often the case for public works and agricultural engines, but similar conditions can also exist on industrial equipments.

NLGI grade 0 is adapted to central greasing systems.
NLGI grade 2 is the most multifunctional consistency.

Because of the high viscosity of their base oils, they are not suitable for high-speed bearings.

ADVANTAGES

- Extraordinary adhesion power even on heavily polished pins and sockets of digging arm provides proper lubrication.
- Can support very high pressures, vibrations and absorb shock loads due to the high anti-wear and extreme pressure properties.
- Very high mechanical stability.
- Highly water resistant and gives great protection against corrosion.
- Long life which extended the lubrication intervals possible.

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used greases disposal. When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 1 year(s) in closed container and sheltered.

CALIOPAL

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA	
Type	-	-	Caliopal 0	Caliopal 2
Thickener	-	-	lithium-calcium	lithium-calcium
Color	-	-	brown	brown
NLGI-grade	-	ASTM D 217	0	2
Penetration at 25°C after 60 strokes	1/10mm	ISO 2137	370	280
Dropping point	°C	IP 396	180	180
Application temperature	°C	-	-20 to 120	-20 to 120
Viscosity of the base oil at 40°C	mm ² /s (cSt)	ISO 12058	465	420
Viscosity of the base oil at 100°C	mm ² /s (cSt)	ISO 12058	27	26
4-ball weld load	N	DIN 51350 T4	3200	4200
Corrosion resistance	-	SKF Emscor	2,2	2,2
Copper corrosion	-	ASTM D 130	1b	1b
Water resistance	-	-	insoluble	insoluble
Product number	180 K	-	-	310021
Product number	50 K	-	-	310064
Product number	18 K	-	310063	310065
Product number	5 K	-	-	310066
Product number	400 gr	-	-	310017

The average values are given for information only.