



GREASE COMPLEX



DESCRIPTION

GREASE COMPLEX is a multi-purpose, high-performance grease, based on mineral oil and a lithium complex soap. It is formulated to provide excellent high temperature lubrication performance and EP load protection. It contains special additives selected to enhance resistance to oxidation, corrosion and wear.

APPLICATIONS

GREASE COMPLEX' special formula makes it suitable for use in plain or rolling bearings operating at temperatures of -30 to 160°C. It is primarily recommended for high temperatures applications as well as systems operation under high loads and vibratory conditions, such as steel mills, railway axle-boxes and construction equipment. The long service-life potential makes it ideal for the lubrication of parts where accessibility is limited.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Lithium complex soap thickener of advance technology.	High film strength. Exceptional sealing performance.
Excellent anticorrosion and antirust extreme pressure properties.	Ultimate long term wear protection under high temperatures and high loads operation.
High operating temperature capability.	Wide operating temperature range -30 °C up to 160°C.
Thermally and mechanically stable. High dropping point.	Extended intervals between re-lubrication. Reduced maintenance costs.

PHYSICAL-CHEMICAL CHARACTERISTICS

GREASE COMPLEX	METHOD	
NLGI		1
Base oil viscosity @ 40°C, cst	ASTM D445	200
Worked penetration at 25°C, 0.1mm	ASTM D217	310-340
Dropping point, °C	ASTM D2265	260
Wear prevention (4-ball test), mm	ASTM D2266	0.45
Weld point (with 4-ball EP tester), kgf	ASTM D2596	250
Oil separation @ 40°C,%	DIN 51817	8
Operating temperature range, °C	-	-30 έως +160
Color	-	Brown

The abovementioned characteristics represent mean values.

SPECIFICATIONS

DIN 51825 KP1P-30; ISO 6743-9: XCEIB (ISO-L- XCEIB)