

GREASE-PLUS LI-COMPLEX MO 1

GREASES

324903401

DYADE
LUBRICANTS



HIGH EFFICIENCY GREASE DESIGNED FOR HEAVY LOADED MECHANISMS OPERATED IN A WIDE RANGE OF TEMPERATURES

This product is composed of high-quality, highly refined mineral base oils, synthetic polymers, graphite, and a lithium complex soap thickener that creates a stable and adherent lubricating film. It can withstand high loads, shock loads, and high temperatures, while also preventing moisture and dirt from penetrating the bearing due to its excellent sealing capacity. The special additive package of this product is free of lead, chlorine, and sulfur, reducing the possibility of contamination and staining. With a high dropping point, this grease can work under high-temperature conditions without losing its physicochemical properties. This grease is ideal for heavy-duty mechanisms and bearings that operate at temperatures ranging from -15 to 150 °C, with potential water or emulsion presence, and at medium to low speeds. It is appropriate for use in various industries, including steel, cement, metalworking machinery, mining, and public works. The grease can be applied manually or via centralized lubrication systems. It is

particularly effective for lubricating low-speed mechanisms that experience high levels of vibration, and it prevents the ingress of water and water-oil emulsions used in metalworking processes. The superior adhesion and adhesiveness of this product to metal surfaces ensures optimal lubrication.

CATEGORY

- Greases

BENEFITS

- Wide range of service temperatures
- Peak temperature 180 °C
- Environmentally friendly additive package
- Resists heavy and shock loads
- Very adhesive
- Excellent sealing capacity
- Very good resistance to water and oil-water emulsions
- Compatible with metal working processes

PROPERTY	METHOD	VALUE
Thickener		Lithium complex
Base oil nature		Mineral
Colour		Black
Base oil viscosity @ 40 °C, mm ² /s		1500
NLGI class		1
Penetration @ 25 °C, x 0,1 mm		320
Worked penetration, 105 W, x 0,1 mm		> 45
Drop point, °C		> 240
EMCOR corrosion test		1
Water washout, 3h/90 °C		0
Oxidation stability 100 hr/100 °C, bar		0.5
Copper corrosion 24h @ 100 °C		1b
4-ball wear test, welding load, kg		700
4-ball wear test, wear scar diameter 1'/80 kg, mm		0.5
Oil separation, 30 hr/100 °C, %		5
Operating temperatures, °C		-10 - 150

All data on this technical data sheet is indicative only

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