

GREASE-PLUS POLY-MO 1

GREASES

324906701



HIGH TEMPERATURE GREASE FOR BEARINGS

This is a unique grease product that uses polyurea technology. It is an organic soap thickened grease with a highly refined mineral oil base and an additive package that provides superior anti-wear, EP and high antioxidant and anticorrosive capabilities. It is ideal for lubricating bearings and mechanisms that are exposed to high temperatures, heavy loads, and water. These greases do not contain any metallic soap, which makes them more resistant to oxidation and aging than conventional greases formulated with complex or simple soaps. These greases are formulated for the lubrication of mechanisms operating under severe conditions, including the lubrication of steel continuous casting where they must withstand high service temperatures, ferro static pressures, large quantities of cooling water, and high levels of contamination from metallic oxides, hard particles, strips, and other debris. Additionally, these greases are designed for use in long centralized systems.

CATEGORY

- Greases

BENEFITS

- High mechanic work stability
- Thermally stable
- Peak temperature of 220 °C
- Excellent water wash-out properties
- Excellent sealing capacity
- Wide range of working temperatures
- Long life lubrication
- Reduction of lubrication intervals en maintenance costs
- Superb pumpability
- Superior quality-price ratio

PROPERTY	METHOD	VALUE
Colour		Light brown
Thickener		Urea compound
Base oil type		Mineral
Base oil viscosity @ 40 °C, mm ² /s		220
NLGI class	DIN 51 818	1
Worked penetration 60W, x 0,1 mm	ASTM D217	310-340
Dropping point, °C	ASTM D566	220
Shell roll stability test - 24 hours	ASTM D1831	
Shell roll stability test - 48 hours	ASTM D1831	
Shell roll stability test - 72 hours	ASTM D1831	
4-ball wear test - Welding load, kg	IP 239	300
4-ball wear test - Wear scar diameter 1hr/40 kg, mm	IP 239	0.50
Oil separation, %	IP 121	5
EMCOR corrosion test: - Distilled H2O	DIN 51 802	0
EMCOR corrosion test: - Salt H2O	DIN 51 802	2
Water washout @ 80 °C, %	ASTM D1264	2.5
Oxidation stability	ASTM D942	0.5
Copper corrosion @ 100 °C	ASTM D130	1b
Radiation heat resistance, °C		260
Peak temperature, °C		220
Operating temperatures, °C		-20 - 190

All data on this technical data sheet is indicative only

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