

GREASE POLY HT PLUS 1

Product code: 264906701

High temperature grease for bearings

This product is a special grease based on polyurea technology. Long life organic soap thickened greases with highly refined mineral oil and additive package to provide superior anti wear, EP and high antioxidant and anticorrosive capacity. These are excellent greases for the lubrication of bearings and mechanisms exposed to the combined action of high temperatures, heavy loads and water.

Thanks to the fact that Poly HT plus greases do not contain any metallic soap, the resistance to oxidation and aging is much better compared with the conventional commonly used greases formulated with complex or simple soaps.

Applications

These greases are intended for the lubrication of mechanisms in severe operating conditions, such as the lubrication of steel continuous casting where the combined action of:

- High service temperature
- High ferro static pressures
- Big quantity of cooling water
- High contamination with metallic oxides, hard particles, strips etc.
- Long centralized systems

Benefits & Advantages

- 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

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Typical Performance Data

Typical	Test Method	Value
Color		Light brown
Thickener		Urea compound
Base oil type		Mineral
Base oil viscosity @ 40 °C, cSt		220
NLGI class	DIN 51818	1
Worked penetration 60W, x 0,1 mm	ASTM D217	310-340
Dropping point, °C	ASTM D566	220
Shell roll stability test <ul style="list-style-type: none"> • 24 hours • 48 hours • 72 hours 	ASTM D1831	n/a n/a n/a
4-ball wear test <ul style="list-style-type: none"> • Welding load, kg • Wear scar diameter 1hr/40 kg, mm 	IP-239	300 0.50
Oil separation, %	IP-121	5
EMCOR corrosion test: <ul style="list-style-type: none"> • Distilled H₂O • Salt H₂O 	DIN 51802 DIN 51802	0 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 performance data on this Technical Data Sheet are indicative only and can vary during production.