

HI-THERMO 850

High Temperature and Extreme Pressure Grease

Description

Hi-Thermo 850 is an inorganic, lead free, multi purpose grease developed for lubrication of low and medium speed ball bearings operating under severe conditions at elevated temperatures.

Applications

It is recommended for lubrication of journal and ball bearings used in iron and steel industry, cooling units and rotary steam couplings of kilns in cement industry, ball bearings and chain drives of oven conveyors, journal and ball bearings of heavy duty construction equipments. It is recommended for lubrications of ball bearings at elevated temperatures between 175 °C and 210 °C. Please contact to our technical expert for applications above 190 °C.

Benefits

- Ensures operation at elevated temperatures.
- Prevents the system against rust and corrosion.
- Provides excellent lubrication at elevated temperatures without decomposition due to its remarkable thermal stability.
- Extends the service life of bearings due to its excellent oxidation resistance.
- Can be used in central lubrication applications.
- It does not drop.

Performance

DIN 51825: KP1(1) S-20, TS 11584

Typical Specifications*

Thickener Type		Bentonit
NLGI		1
Colour		Yellow
Base Oil Viscosity, 40 °C, mm ² /s	ASTM D445	550
Timken OK, lb	ASTM D2509	60
Dropping Point, °C	ASTM D566	N/A
Welding Load, kg	ASTM D2596	400
Rust Test	ASTM D1743	Pass
Cone Penetration, 25°C	ASTM D217	310-340
Water Washout, %Weight	ASTM D1264	3
Oil Separation, 25°C, 24 sa.	ASTM D1742	0
Wear Diameter (Four-Ball)	ASTM D2266	<0,6

* Values shown may differ between productions.

HI-THERMO 850

