

Product Data Sheet

Mobiltemp 1 High Temperature Grease

Product Description

Mobiltemp 1 is a clay thickened high temperature grease based on a heavy viscosity mineral base oil. It has an NLGI Grade of 1 and is formulated to provide: low volatility, oxidation resistance and excellent structural stability at high temperatures, resistance to water washing and good anti-wear performance under heavy loads and low speeds.

Benefits

Mobiltemp 1 offers the following benefits:

- Superior high temperature performance
- Will not soften and leak from bearings
- Good wear protection
- Good resistance to water washing and steam
- Extended relubrication intervals
- Lead, chlorine and nitrite free

Application

Mobiltemp 1 is recommended for the lubrication of plain and antifriction bearings in applications such as open conveyor or kiln bearings operating at low speed and high temperature or under cycling conditions from ambient to high temperatures.

The grease will not soften and leak under high temperature conditions or harden excessively on cooling.

Mobiltemp 1 is also suitable for the lubrication of cams, ways and other sliding machine elements.

The recommended operating temperature range is 0°C to 180°C with appropriate relubrication intervals.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

	Test Method	Mobiltemp 1
NLGI Grade	ASTM D217	1
Thickener Type	-	Organo-clay
Colour	Visual	Green/Brown
Penetration, Worked	ASTM D217	325
Dropping Point, °C	ASTM D2265	260+
Base Oil Type	-	Mineral
Viscosity of Oil, cSt at 40°C	ASTM D445	460
Viscosity of Oil, cSt at 100°C	ASTM D445	32
4-Ball Weld Scar, mm	ASTM D2266	0.5
Timken OK Load, lb	-	35

Due to continual product research and development, the information contained herein is subject to change without notice.

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