

# Product Data Sheet

## Mobilgrease 28 Synthetic High Quality Lubricating Grease

### Product Description

Mobilgrease 28 is a completely synthetic grease manufactured from synthetic hydrocarbon fluid and a non-soap thickener. It has extreme pressure characteristics, an extremely wide range of operating temperatures and excellent resistance to water washing. The consistency is between NLGI 1 and 2.

Mobilgrease 28 retains its consistency under high temperature and shear conditions over extended periods of operation. It has good shock and heavy load characteristics and its very high level of mechanical and thermal stability prevents deterioration and formation of deposits.

Mobilgrease 28 has excellent resistance to hot and cold water washing and resists mild acid and alkali solutions. It provides a high level of protection against rust and corrosion, under water washing conditions.

Mobilgrease 28 meets or exceeds the requirements of the following specifications:

DEF STAN 91-52/1 (Defence Standard, UK Ministry of Defence )  
Joint Services Designation XG-293  
NATO Code No. G-395  
U.S. Military Specification MIL-G-81322E  
U.S. Military Specification MIL-G-24508A

### Benefits

Mobilgrease 28 offers the following benefits:

- Very low wear rates under wide range of operating temperatures
- Long service life gives minimal service requirement
- Compatible with conventional mineral oil type greases, based on a non-soap thickener
- Compatible with elastomers normally used for petroleum type lubricants
- Long term retention of operational characteristics opens up opportunities for design of high output machinery
- Increased production capacity and reduced maintenance increase operating profit

### Application

Mobilgrease 28 is recommended for the lubrication of plain and rolling element bearings at low to high speeds and splines, screws, worm gears, and other mechanisms where low wear and low lubricant friction losses are required.

It provides minimum resistance to starting at extreme low temperatures down to minus 55°C, as well as satisfactory performance for extended periods in high speed bearings operating at temperatures up to 180°C.

Mobilgrease 28 is recommended for industrial grease lubrication applications including sealed or re-packable ball and roller bearings, wherever extreme temperature conditions, high speeds or resistance to water washing are factors.

## 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

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	Test Method	Mobilgrease 28
NLGI Grade	ASTM D217	1.5
Type of Soap	-	Non Soap
Colour	Visual	Red
Texture	Visual	Smooth
Worked Penetration at 25°C, worked	ASTM D217	305
Drop Point, °C	ASTM D566	232
Base Oil Viscosity, cSt at 40°C	ASTM D445	29
Base Oil Viscosity, cSt at 100°C	ASTM D445	5.5

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

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