

Product Data Sheet

Mobilgrease FM 007 Food Machinery Grease

Product Description

Mobilgrease FM 007 is a white premium quality semi-fluid food machinery grease, NLGI Grade 00, formulated with an aluminium complex soap and synthetic base oils (PAO ISO VG 460). It is unique in the way it combines suitability in food applications with superior performance in the lubrication of machinery, gear systems and bearings.

Mobilgrease FM 007 meets USDA H-1 requirements (FDA 21 CFR 178.3570) and is acceptable as a lubricant in plants where there is a possibility of incidental food contact.

Mobilgrease FM 007 is also approved to my many leading food industry company in house performance and environmental standards.

Benefits

Mobilgrease FM 007 provides the following benefits in food machinery applications :

- Extended lubricant life at high temperatures
- Increased protection against corrosion
- Excellent slumpability and pumpability for centralised distribution systems
- Excellent sprayability
- Reduced energy consumption

Application

Mobilgrease FM 007 is suitable for use in gear reduction units, agitator drives and centralised grease systems requiring an NLGI 00 product of high base oil viscosity. It is formulated to lubricate journal and anti-friction bearings on both in-plant food machinery and mobile equipment handling food products. It will withstand the elevated temperatures and wet environment common in most food plants.

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

		Mobilgrease FM 007
	Test Method	
NLGI	ASTM D217	00
Soap Type	-	Aluminium Complex
Structure	Visual	Smooth
Colour	Visual	White
Penetration at 25°C, Worked (1/10 mm)	ASTM D217	415
Dropping Point, °C	ASTM D2265	248
Viscosity of Base Oil, cSt at 40°C	ASTM D445	460
Copper corrosion - 24hr, 120°C (rating)	ASTM D4048	1A
4-Ball Extreme Pressure, Weld Load, kg	ASTM D2596	200
4-Ball Wear, Scar dia., 40 kg, 1 hr, 1200 rpm	ASTM D 2266	0.4

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

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