

# Product Data Sheet

## Mobilgrease FM 462 Food Machinery Grease

### Product Description

Mobilgrease FM 462 is a white premium food machinery greases of NLGI Grade 2. It is formulated with an aluminium complex soap and synthetic (PAO ) ISO VG 460 base oils. It is unique in the way it combines suitability in food applications with superior performance in the lubrication of machinery and bearings.

Mobilgrease FM 462 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.

Mobilgrease FM 462 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 462 is also approved to my many leading food industry company in house performance and environmental standards.

### Benefits

Mobilgrease FM 462 provides the following benefits in food machinery applications:

- Extended lubricant life at high temperatures -20°C to +200°C.
- Excellent resistance to water washout
- Increased protection against corrosion
- Good low temperature pumpability
- Excellent mechanical stability

### Application

Mobilgrease FM 462 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

---

		<b>Mobilgrease FM 462</b>
	<b>Test Method</b>	
NLGI	ASTM D217	2
Soap Type	-	Aluminium Complex
Structure	Visual	Smooth
Colour	Visual	White
Penetration at 25°C, Worked (1/10 mm)	ASTM D217	280
Dropping Point, °C	ASTM D2265	250
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
SKF Emcor - distilled water (rating)	IP 220	0-0
Water resistance at 90°C (rating)	DIN 51807	1

---

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

---

**Mobil Oil Company Limited**  
**Acting as Agent for Mobil Lubricants UK Limited**  
**ExxonMobil House, Ermyn Way**  
**Leatherhead, Surrey, KT22 8UX**  
**Telephone: 01372 22 2000**

