

Product Data Sheet

Mobilgrease FM 102 Food Machinery Grease

Product Description

Mobilgrease FM 102 is an NLGI 2, aluminium complex grease based upon an ISO VG 100 white oil.

Its resistance to water washout and mechanical stability ensures excellent lubrication for machinery over a wide speed range and operating temperatures of -20°C to +150°C.

Mobilgrease FM 102 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 102 is also approved to many leading food industry company in house performance and environmental standards.

Benefits

Mobilgrease FM 102 offers the following benefits:

- USDA H-1 Classified, for incidental contact food industry applications
- Wide temperature range -20°C to +150°C
- Good water resistance
- Excellent mechanical stability
- Good rust preventive properties

Application

Mobilgrease FM 102 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 conditions common in most food plants.

Mobilgrease FM 102 meets FDA regulation 178.3570 and has USDA type H-1 and FDA approvals for lubricants with incidental food contact.

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 102
	Test Method	
NLGI	ASTM D217	2
Soap Type	-	Aluminium Complex
Structure	Visual	Smooth
Colour	Visual	Pale Yellow
Penetration, Worked	ASTM D217	285
Dropping Point, °C	ASTM D2265	216
Viscosity of Base Oil, cSt at 40°C	ASTM D445	108
Viscosity of Base Oil, cSt at 100°C	ASTM D445	12.2
Timken OK load, kg	ASTM D2509	5.4
4-Ball weld, kg	ASTM D2596	160
4-Ball wear, scar mm.	ASTM D2266	0.53
Water Spray wt % loss	ASTM D4049	52

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

