



Mobilgrease FM 220 Series

Premium Quality Greases for the Food and Beverage Industry

Introduction

Processing equipment in the food and beverage industries has to operate in a wide variety of environments, covering the extremes of temperatures from oven to freezer operations as well as high levels of contamination from water, steam and cleaning agents. The full range of Mobilgrease FM high performance greases have been designed to meet these demands and to provide the optimum combination of effective lubrication with lower maintenance costs.

By selecting the new Mobilgrease FM 220 series, you have chosen premium quality greases to meet your most stringent technical demands.



Mobilgrease FM 221 and FM 222

Mobilgrease FM 221 and FM 222 are two new multi purpose greases designed to provide optimum performance in a variety of operating conditions, including heavy and shock loading and where water contamination is prevalent. The products are based on an ISO VG 220 base oil coupled with a high performance thickener to give long-term lubrication and structural stability.

	Mobilgrease FM 221	Mobilgrease FM 222
Thickener Type	Aluminum Complex	Aluminum Complex
Colour	White	White
NLGI Consistency Grade	1	2
Base Oil Viscosity, 40°C, mm²/s	220	220
Rust Protection (SKF EMCOR)	0,0	0,0
FAG FE9, L50, 120°C, hrs	229	200
DIN 51825 Classification	KPF1K-20	KPF2K-20
NSF Registered Number	136448	136449
Typical Applications	Multi Purpose Centralised Systems Good Pumpability	Multi-Purpose Conveyor Bearings Pump/Mixer/Joints

This data is typical and does not constitute a specification.

Approvals for Use in the Food Processing Industry

In addition to carrying the NSF H-1 registration, Mobilgrease FM 221 and FM 222 are also approved as Halal and Kosher/Parve for use in food manufacturing operations.

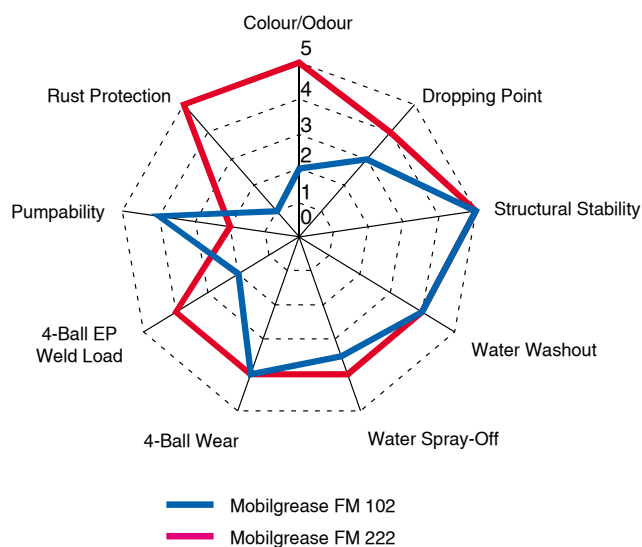
Typical Applications

Engineered for premium multi purpose performance in demanding applications, Mobilgrease FM 221 and FM 222 can be used in the food, beverage, pharmaceutical and packaging industry including dairy, meat and flour, can making, bakeries and in slaughter houses. Applications include bearings, joints, gear boxes and overhead lines. They are specifically designed to ensure acceptability to the operator and to the overall plant environment.

Comparison between Mobilgrease FM 100 and Mobilgrease FM 220 Series

New Mobilgrease FM 221 and FM 222 are being introduced to replace Mobilgrease FM 101 and FM 102 respectively.

And it is not just the whiter colour and improved odour that you will notice. The new products are characterised by outstanding structural stability and excellent rust protection even in the presence of aggressive waters. They also show good load carrying performance and improved operational versatility. The comparative performance of Mobilgrease FM 102 and FM 222 for example is summarised below.



Benefits of Mobilgrease FM 221 and FM 222 at a Glance

- High shear stability for long time periods to extend re-lubrication intervals
- Excellent water tolerance and rust protection to provide outstanding equipment protection
- Two NLGI grades to cover a wide application range from freezer to oven operations
- Good load carrying capability and low temperature pumpability
- NSF, Kosher/Parve and Halal approved to meet global requirements



Further information on premium quality Mobilgrease FM 221 and FM 222 are provided on Product and Material Safety Data Sheets, that are obtainable from your local ExxonMobil sales office or distributor. Alternatively, please visit www.exxonmobil.com.
Tel: 0800 123 4567