

# MOLYKOTE® G-0050 FM/ G-0051 FM/G-0052 FM White E.P. Bearing Greases

Multipurpose greases suitable for incidental food contact

## Features

- Excellent lubricating properties
- Good resistance to water washout
- High load-carrying capacity
- Compatible with many plastics or elastomers
- Meets FDA Regulation 21 CFR 178.3570
- Meets NSF H1 classification for incidental food contact
- Kosher approved
- Available in NLGI consistency class 0, 1 and 2
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

## Composition

- Mineral oil
- Aluminum complex thickener
- EP/AW additives

## Applications

Multipurpose lubrication of mechanical components such as bearings, chains, gears and slides in food and beverage processing facilities.

## Description

MOLYKOTE® G-0050 FM/G-0051FM/G-0052 FM White E.P. Bearing Greases are high-performance lubricants designed for the food and beverage industry. They are mineral-based lubricants thickened with aluminum complex and fortified with EP additives. They are an excellent choice where an NSF H1 status lubricant is required or when the product must be free of black particle contamination.

## How to use

Clean points of contact. MOLYKOTE® White E.P. Bearing Greases can be applied by hand-packing, hand-operated grease gun, automatic greasing systems and central lubricating systems. When lubricating anti-friction bearings, follow the bearing manufacturer's instructions. For plain bearings, the new grease should be pumped in until old grease is flushed from the system.

## Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

## Usable life and storage

When stored at or below 32°C (90°F) in the original unopened container, this product has a usable life of 60 months from date of production.

## Packaging

This product is available in different standard container sizes as shown on [molykote.com](http://molykote.com). Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

## Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

Standard <sup>(1)</sup>	Test	Unit	MOLYKOTE® G-0050 FM Grease	MOLYKOTE® G-0051 FM Grease	MOLYKOTE® G-0052 FM Grease
	Color		White	White	White
DIN 51 818	NLGI Consistency		0	1	2
ASTM D217	Penetration	mm/10	370	325	280
ISO 2811	Density at 20°C	g/ml	1.04	1.05	1.08
ASTM D445	Viscosity @ 40°C	cst	99	99	99
	Service temperature	°C	-17 to +150	-17 to +150	-17 to +150
		°F	0 to +302	0 to +302	0 to +302
ASTM D2265	Drop point	°C	260	256	269
		°F	500	493	516
ASTM D2596	Four-ball weld load	N	3,922	7,845	6,080
		KG	400	800	620
ASTM D2266	Four-ball wear scar	Mm	0.6	0.7	0.9
ASTM D1264	Water washout, 175°F	%	18	4	10
Fed 791	Oil bleed, 24 hrs @ 100°C	% max	5	5	5
Fed 791	Oil evaporation, 24 hrs @ 100°C	% max	2.0	2.0	2.0

<sup>(1)</sup>DIN: Deutsche Industrie Norm. ASTM: American Society for Testing and Materials. ISO: International Standardization Organization.

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