

# Product Information

## Specialty Lubricants

# *Molykote*<sup>®</sup> G-0050 FM / G-0051 FM / G-0052 FM White E.P. Bearing Greases

## 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

## COMPOSITION

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

Multi-purpose grease(s) suitable for incidental food contact

## APPLICATIONS

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

## DESCRIPTION

*Molykote*<sup>®</sup> G-0050 FM / G-0051 FM / G-0052 FM White E.P. Bearing Greases are high performance lubricants designed for the food and beverage industry. They are a mineral based lubricant thickened with aluminum complex and fortified with EP additives. Applications include bearings, gears, chains and sliding mechanisms in manufacturing processes. They are an excellent choice where 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 Grease can be applied by hand packing, hand operated grease gun, automatic greasing systems and central lubricating systems. When lubricating antifriction bearings, follow the bearing manufacturer's instructions. For plain bearings the new grease should be pumped in until old grease is flushed from system.

**HANDLING PRECAUTIONS  
PRODUCT SAFETY  
INFORMATION REQUIRED FOR  
SAFE USE IS NOT INCLUDED IN  
THIS DOCUMENT. BEFORE  
HANDLING, READ PRODUCT**

**AND MATERIAL SAFETY DATA  
SHEETS AND CONTAINER  
LABELS FOR SAFE USE,  
PHYSICAL AND HEALTH  
HAZARD INFORMATION. THE  
MATERIAL SAFETY DATA  
SHEET IS AVAILABLE ON THE  
DOW CORNING WEB SITE AT  
DOW CORNING.COM, OR FROM  
YOUR DOW CORNING SALES  
APPLICATION ENGINEER, OR  
DISTRIBUTOR, OR BY CALLING  
DOW CORNING CUSTOMER  
SERVICE.**

## 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 INFORMATION

This product is available in various standard industrial container sizes. Please contact your local Dow Corning office for specific availability in your area.

## LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test*	Property	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 D 445	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	3922	7845	6080
		KG	400	800	620
ASTM D2266	Four-ball wear scar	mm	0.6	0.7	0.9
ASTM D1264	Water wash-out, 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

\*DIN: Deutsche Industrie Norm.

ASTM: American Society for Testing and Materials.

ISO: International Standardization Organization.

## HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

## LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales

specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

*We help you invent the future.™*

**[molykote.com](http://molykote.com)**