

# Product Information

## Specialty Lubricants

DOW CORNING

# Molykote<sup>®</sup> G-4000 FM Semi-Fluid Synthetic Grease

## FEATURES & BENEFITS

- Wide Service Temperature Range
- Multi-Purpose Capabilities
- Broad Compatibility
- Fully Synthetic Base Oil
- White Color
- Formulated to provide higher load carrying capacity, greater wear resistance and longer service life compared to conventional petroleum-based lubricants
- Provides good compatibility with most industrial and engineering substrates including many plastic and rubber materials
- Low consistency formulation allows use in automatic dispensing systems
- H1 approved by NSF

## COMPOSITION

- Aluminum Complex Thickener
- PolyAlphaOlephin (PAO) base oil
- Fortified with polytetrafluoroethylene (PTFE) and other lubricating solids

NLGI #00 white grease, meets FDA regulation 21 CFR 178.3570 as a lubricant with incidental food contact

## APPLICATIONS

- General Purpose Semi-fluid Consistency White Synthetic Grease can be used in rolling element and plain bearings, cams, guides, ways, and other machine elements
- Suitable for use in gearboxes except hypoid and worm gearboxes

## 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.

CMT <sup>1</sup>	ASTM <sup>2</sup>	Property	Unit	Result
	D 445	Base Oil Viscosity at 104°F (40°C)	cSt	220
	D 217	Penetration at 77°F(25°C), mm/10 (W/60)	mm	410-440
0023A	D 2265	Dropping Point °F (°C), min		392 (200)
	D 2266	Four Ball Wear, 40kg, 1200 rpm, 75°C	mm	0.60
	D 2596	Four Ball EP, Weld Load, min	Kg	315
	D 2509	Timken OK Load, min	Lb	40
			(KG)	(88)
		Temperature Range estimated	°F	-40 to 300
			(°C)	(-40 to 149)

<sup>1</sup>CTM: Corporate Test Method, copies of CTM's are available on request.

<sup>2</sup>ASTM: American Society for Testing and Materials.

## HOW TO USE

Apply using conventional grease application methods, i.e., clean brush, and manual or automated dispensing equipment.

## 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 WEBSITE 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 containers, Molykote<sup>®</sup> G-4000 FM Semi-Fluid Synthetic Grease has a usable life of 60 months from the date of production.

## PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

## **LIMITATIONS**

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

## **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 website, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

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