

MOLYKOTE® G-4000 FM

Semi-Fluid Synthetic Grease

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

Features & benefits

- Wide service-temperature range
- Multipurpose 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
- Polyalphaolefin (PAO) base oil
- Fortified with polytetrafluoroethylene (PTFE) and other lubricating solids

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.

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 SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

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 ⁽¹⁾	Test	Unit	Result
ASTM D445	Base oil viscosity at 104°F (40°C)	cSt	220
ASTM D217	Penetration at 77°F (25°C), mm/10 (W/60)	mm	410-440
CTM 0023A, ASTM D2265	Dropping point, min	°F (°C)	392 (200)
ASTM D2266	Four ball wear, 40 kg, 1,200 rpm, 75°C	mm	0.60
ASTM D2596	Four ball EP, weld load, min	kg	315
ASTM D2509	Timken OK load, min	lb (kg)	40 (88)
	Temperature range estimated	°F (°C)	-40 to 300 (-40 to 149)

⁽¹⁾ASTM: American Society for Testing and Materials. CTM: Corporate Test Method; copies of CTMs are available on request.

Usable life and storage

When stored at or below 32°C (90°F) in the original unopened containers, MOLYKOTE® G-4000 FM Semi-Fluid Synthetic Grease has a usable life of 60 months from the date of production.

Packaging

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

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.
© 2007-2019 DuPont.

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.