

MOLYKOTE® G-5032 Grease

White, food-grade silicone grease

Features & benefits

- Wide service-temperature range
- Compatible with many plastics and elastomers
- Excellent water resistance
- Low volatility
- Meets FDA Regulation 21 CFR 178.3570 and NSF H1 classification for incidental food contact
- Available in NLGI consistency class 2

Composition

- Silicone base oil (polydimethylsiloxane)
- Fortified with polytetrafluoroethylene (PTFE)

Applications

General-purpose white silicone grease for applications in food processing plants where H1-compliant products are requested. Suitable for lubrication points with low to medium loadings and speeds that have to perform over a wide temperature range.

Description

MOLYKOTE® G-5032 Grease is a high-performance grease that combines the benefits of wide operating-temperature range, excellent chemical resistance and good water washout resistance. The silicone base oil ensures good compatibility with many plastics and metals. The grease can be used to lubricate bearings, gears and sliding mechanisms in food processing machinery.

How to use

Clean points of contact. Apply using conventional grease application methods (i.e., clean brush, grease gun and manual or automated dispensing equipment).

Not to be mixed with other greases.

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
Consistency, viscosity, specific gravity			
	Color		White
DIN 51 818	NLGI consistency class		2
ASTM D217	Worked penetration at 25°C (W/60)	mm/10	265-295
ASTM D445	Base oil viscosity at 25°C	cSt	500
ISO 2811	Density at 25°C	g/cm ³	1.28
Temperature			
	Temperature range, estimated	°C	-40 to +200
ASTM D2265	Dropping point	°C	>280
MIL S-8660C	Oil bleed, 24 hours at 150°C	wt. %	3.4
MIL S-8660C	Oil evaporation, 24 hours at 150°C	wt. %	1.8
Load-carrying capacity			
Four ball tester (VKA)			
DIN 51 350 Part 4	Weld load	N	1,570
Water resistance			
DIN 51 807	Water washout (1 hour at 79°C)	%	0.5

⁽¹⁾DIN: Deutsche Industrie Norm. ASTM: American Society for Testing and Materials. ISO: International Standardization Organization. MIL S: Military Specification.

Usable life and storage

When stored at or below 40°C in the original unopened containers, these products have a usable life of 36 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.
© 2005-2019 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.