

Product Information Specialty Lubricants

DOW CORNING

Molykote® G-5032 Grease

FEATURES & BENEFITS

- Wide Service Temperature Range
- Compatible with many Plastics and Elastomers
- Excellent Water Resistance
- Low Volatility
- Meets FDA Regulation 21 CRF 178.3570 and NSF H1 Classification for incidental food contact
- Available in NLGI Consistency Class 2

COMPOSITION

- Silicone Base Oil (Poly-dimethyl-siloxane)
- Fortified with Polytetrafluoroethylene (PTFE)

White Food Grade Silicone Grease

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 speed which have to perform over a wide temperature range

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	Result
	Consistency, Viscosity, Specific Gravity		
	Color		White
	NLGI Consistency Class		2
DIN 51 818	Worked Penetration at 25°C (W/60)	mm/10	265-295
ASTM D 217	Base Oil Viscosity at 25°C	cSt	500
ASTM D 445	Density at 25°C	g/cm ³	1.28
	Temperature		
	Temperature Range, estimated	°C	-40 to +200
ASTM D 2265	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	1570
	Water Resistance		
DIN 51 807	Water Washout (1 hour at 79°C)	%	0.5

*DIN: Deutsche Industrie Norm.

ASTM: American Society for Testing Materials.

ISO: International Standardization Organization.

MIL S: Military Specification.

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 to many plastics and metals. They 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 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 40°C in the original unopened containers, these products have a usable life of 36 months from the date of production.

PACKAGING INFORMATION

These products are 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 Web site, 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.

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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.

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