

Product Information

Specialty

Lubricants

Molykote® G-5032 Grease

White Food Grade Silicone Grease

FEATURES

- ◆ 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 (Poly-dimethyl-siloxane)
- ◆ 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 speed which have to perform over a wide temperature range

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Standard*	Property	Unit	Value
	Consistency, Viscosity, Specific Gravity		
	Color		White
DIN 51 818	NLGI Consistency Class		2
ASTM D 217	Worked Penetration at 25 °C (W/60)	mm/10	265-295
ASTM D 445	Base Oil Viscosity at 25 °C	cSt	500
ISO 2811	Density at 25 °C	g/cm ³	1.19
	Temperature		
	Temperature Range, estimated,	°C	-40 to +200
ASTM D 2265	Dropping Point	°C	None
MIL S-8660C	Oil Bleed, 24 h at 150 °C	wt. %	3.8
MIL S-8660C	Oil Evaporation 24 h at 150 °C	wt. %	1.8
	Load Carrying Capacity		
DIN 51 350 Part 4	Four Ball Tester (VKA) Weld Load	N	1,180
	Water Resistance		
DIN 51 807	Water Washout (1 h at 79°C)	%	1.5

* ASTM : American Society for Testing and Materials.

ISO: International Standardization Organization

DIN: Deutsche Industrie Norm

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. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Molykote website at www.molykote.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

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

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

These products are 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, www.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 Dow Corning's 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 the product will meet the Dow Corning 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.™

www.dowcorning.com
www.molykote.com