

# Product Information

## High Performance Lubricants

# Molykote® G-0101

## Long Life Bearing Grease

### FEATURES

- Long service life
- Excellent heat resistance
- Usable for fast moving applications

### COMPOSITION

- Lithium complex thickener
- Mineral base oil
- Corrosion inhibitors

### Rolling element bearing grease for high speed applications

### APPLICATIONS

- Rail applications
- Elevator bearings
- Electrical motor bearings

### 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.

Standard	Test	Unit	Value
	Color		Yellowish brown
	Base oil type		Mineral oil
	Thickener type		Lithium complex
	<b>Consistency, Viscosity</b>		
DIN 51 818	Consistency	NLGI Class	2
ISO 2137	Worked penetration	mm/10	280
DIN 51 562	Base oil viscosity at 40°C	mm <sup>2</sup> /s	101
DIN 51 562	Base oil viscosity at 100°C	mm <sup>2</sup> /s	11.5
	<b>Temperature</b>		
	Service temperature range	°C	-20 to +150
		°F	-4 to +302
ISO 2176	Dropping point	°C (°F)	> 260 (>500)
ASTM D 1478-63	<b>Low Temp Torque</b> at 0°C starting / running	Nm x 10 <sup>-3</sup>	47 / 25
	<b>Oil Separation</b>		
FTMS 791C-321	Oil separation (24 hrs/ 100°C)	Mass-%	1.5
ASTM D 972	Evaporation loss	Mass-%	0.35
DIN 51 808	Oxidation stability, pressure drop (100 hrs/ 99°C)	bar psi	0.3 4.35
	<b>Load Carrying Capacity, Wear Protection, Speed</b>		
ASTM D 1743-73	Corrosion Prevention properties (52°C/ 48 hrs)	—	1
DIN 51 350-4	Four Ball Tester Weldload	N	2000
DIN 51 350	Wear scar under 400N load	mm	0.89
	DN value (D <sub>R</sub> x rpm)		520,000
ASTM 1264	Water wash out (38°C/ 1hr)	Mass-%	2.5
ISO 11 007	Emcor standard, dist. water		0 – 0

ASTM: American Society for Testing and Materials.

DIN: Corporate Deutsche Industrie Norm.

ISO: International Standardization Organization.

## DESCRIPTION

*Molykote*<sup>®</sup> G-0101 is a silicone-free mineral oil based grease thickened by a lithium system. *Molykote*<sup>®</sup> G-0101 offers a wide service temperature range.

## HOW TO USE

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

## 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 Dow Corning website at [www.dowcorning.com](http://www.dowcorning.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 between 0 and 40°C in the original unopened containers, this product has a usable life of 36 months from the date of production.

## PACKAGING

This product is available in 400g cartridges, 16kg pails (US only), 25kg pails (Europe only), 180kg drums.

## 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, [www.dowcorning.com](http://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.

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