

Product Information

High Performance Lubricants

Molykote[®] G-2003

High Performance Grease

FEATURES

- Excellent low temperature properties
- Good water resistant
- Suitable for long-term lubrication by virtue of low oil evaporation and low tendency towards oxidation
- Compatible with most plastics and elastomers

BENEFITS

- Polyalphaolefine oil
- Lithium thickener
- Oxidation inhibitors
- Solid lubricants

Lithium thickened grease based on synthetic hydrocarbon.

APPLICATIONS

- High performance grease for plastic/metal and plastic/plastic combinations involving medium-fast movements and medium loadings.

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	Property	Unit	Value
	Color	Beige	
	Consistency, Viscosity		
DIN 51 818	Consistency NLGI Class	2	
ISO 2137	Worked Penetration	mm/10	265 - 295
ISO 2811	Density at 20°C	g/ml	0.95
DIN 51 562	Base oil viscosity at 40°C	mm ² /s	35
	Temperature		
	Service Temperature Range	°C	-50 to +140
ISO 2176	Dropping Point	°C	> 190
DIN 51805	Kesternich method – flow pressure at –35°C	mbar	< 450
ASTM-D147880	Low temperature torque at –40°C		
	Starting torque	Nm	75 x 10 ⁻³
	Torque after 20 minutes running time	Nm	60 x 10 ⁻³
	Resistance, Corrosion Protection		
DIN 510808	Oxidation resistance, pressure drop 100h, 99°C	bar	0.1
DIN 51807	Water resistance, 3h/ 90°C		0
DIN 51802	SKF-Emcor method	degree of corrosion	0
	Load carrying capacity, Wear Protection, Speed		
DIN 51 350-4	Four Ball Tester, Weld load	N	2200
DIN 51 350-5	Four Ball Tester, Wear scar at 300N	mm	0.6
	Oil Separation / evaporation		
DIN 51 817	Oil Separation (7d/ 40°C)	Mass-%	2.9
ASTM D 972	Evaporation loss (24hrs/ 100°C)	Mass-%	0.1

CTM : Corporate Test Method, copies of CTM's are available on request.
 ASTM : American Society for Testing and Materials.
 DIN : Deutsche Industrie Norm

DESCRIPTION

Molykote[®] G-2003 is a silicone-free synthetic oil based grease thickened by a lithium soap. *Molykote*[®] G-2003 offers excellent low temperature properties. It provides premium long-term lubrication due to special solid lubricants.

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. 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

Molykote[®] G-2003 has a usable life of 60 months when stored at or below 20°C in the original unopened containers.

PACKAGING

Molykote[®] G-2003 is supplied in 900 gm cans and 25kg pails.

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 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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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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