

Product Information

High Performance Lubricants

Molykote® G-1001

High Performance Bearing Grease

FEATURES

- Good low noise capability
- Long service life
- Excellent cost-performance ratio

COMPOSITION

- Blend of mineral oil and synthetic hydrocarbon
- Lithium complex thickener
- Corrosion inhibitor

Multipurpose bearing grease based on a blend of mineral and synthetic oils

APPLICATIONS

- All varieties of rolling element bearings particularly at elevated temperatures

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		Light brown
	Base oil type		MO/PAO Blend
	Thickener type		Lithium complex
	Consistency, Viscosity		
DIN 51 818	Consistency	NLGI Class	3
ISO 2137	Worked penetration	mm/10	250
DIN 51 562	Base oil viscosity at 40°C	mm ² /s	57.9
DIN 51 562	Base oil viscosity at 100°C	mm ² /s	8.1
	Temperature		
	Service temperature range	°C	-30 to +130
		°F	-22 to +302
ISO 2176	Dropping point	°C (°F)	> 260 (>500)
ASTM D 1478-63	Low Temp Torque		
	at -30°C starting / running	Nm x 10 ⁻³	740 / 180
	at -40°C starting / running	Nm x 10 ⁻³	855 / 218
	Oil Separation		
FTMS 791C-321	Oil separation (24 hrs/ 100°C)	Mass-%	1.9
JIS K 2220.5.6	Evaporation loss (22hrs/ 99°C)	Mass-%	0.4
DIN 51 808	Oxidation stability, pressure drop (100 hrs/ 99°C)	bar psi	0.25 3.63
	Load Carrying Capacity, Wear Protection, Speed		
DIN 51 821-1	FE9 (6000 rpm/ 1500N/ 130°C)	F ₅₀ [hrs]	100
DIN 51 350-4	Four Ball Tester Weld load	N	1800
DIN 51 350	Wear scar under 400N load	mm	0.69
ASTM D 1743-73	Bearing Corrosion Prevention	—	#1
Anderon test	Bearing noise profile test	H [no./120s]	2
	H-Band/ M-Band	M [no./120s]	1.2
JIS K 2220.5.12	Water wash out (79°C/ 1hr)	Mass-%	2
ISO 11 007	Emcor standard, dist. water		0 – 0

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

DESCRIPTION

Molykote[®] G-1001 is a high performance low cost grease which combines the high temperature properties of the lithium complex thickener with the low temperature properties of combination of highly refined mineral oil and synthetic hydrocarbon.

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

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 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