

MOLYKOTE® BG 555

Low Noise Grease

Long performance life, wide temperature range, low noise grease

FEATURES

- Wide service temperature range
- Long performance grease
- Excellent low temperature properties
- Anti-rust properties
- Noise suppressing properties

APPLICATIONS

- MOLYKOTE BG 555 Low Noise Grease is suitable for use in bearings at elevated temperatures for long periods.
- MOLYKOTE BG 555 Grease can largely extend the intervals of grease re-packing or bearing replacement.

TYPICAL PROPERTIES

Specification 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.

Test method*	Property	Unit	Value
	Color		light straw
	Consistency, density, viscosity		
ASTM D217	Worked penetration	mm/10	255
FTM 791C-313	Working stability	mm/10	315
ASTM 445	Based oil kinematic viscosity at 40°C (104°F)	mm ² /s	26.0
	Temperature		
	Service temperature range	°C	-40 to +150
		°F	-40 to +302
ASTM D566	Dropping point	°C	195
		°F	383
ASTM D1478-63	Low-temperature torque at -40°C (-40°F)		
	Starting torque	N.cm	15
	Running torque	N.cm	3.0
	Resistance		
ASTM D1264	Water washout 1 hour at 38°C (100.4°F)	Mass %	1.3
	Load-carrying capacity, wear protection, service life		
ASTM D1741	Life performance 125°C (257°F)	hour	4000
	Speed		
	DN value ¹	mm/min	1,300,000
	Oil separation, evaporation, oxidation stability		
ASTM D972	Evaporation loss 22 hours at 99°C (210.2°F)	Mass %	0.30
FTM 791C-321 Mod	Oil separation 24 hours at 100°C (212°F)	Mass %	1.0
ASTM D942	Oxidation stability	kPa	2.5
	Corrosion protection		
ASTM D4048	Copper strip corrosion 24 hours at 100°C (212°F)		1a
ASTM D1743-73	Corrosion preventive properties 48 hours at 52°C (125.6°F)		1
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		0-0

TYPICAL PROPERTIES (continued)

Test method*	Property	Unit	Value
Low noise performance			
FAG MGG-11	Low noise performance test	class	II/1

1. DN values are calculated approximations and will vary widely with temperature, load and bearing type.

* FTMS : Federal Test Method Standard.

ASTM: American Society for Testing and Materials.

BENEFITS

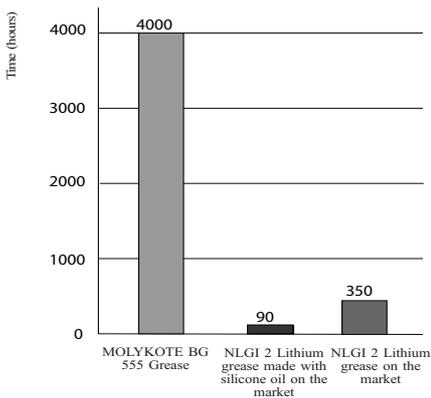
Performance life at elevated temperatures

Performance life of MOLYKOTE BG 555 Grease lasts several times longer than those of other wide-temperature range roller bearing greases available in the market.

MOLYKOTE BG 555 Grease is suitable for use in bearings at elevated temperatures for long periods.

Moreover, in general conditions, MOLYKOTE BG 555 Grease can largely extend the intervals of grease repacking or bearing replacement.

Figure 1: Life performance at 125°C (257°F) , ASTM D1741.



Noise suppressant properties

Impurities are removed from the main raw materials of MOLYKOTE BG 555 Grease. The additives are strictly selected and base oil having appropriate viscosity is used.

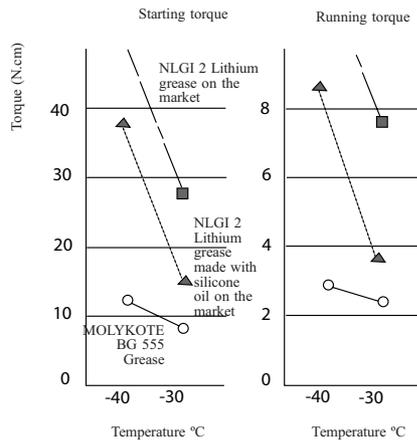
In addition, MOLYKOTE BG 555 Grease is manufactured by a special process in a dust-free factory.

Therefore MOLYKOTE BG 555 Grease can achieve quieter bearing performances.

Low temperature properties

MOLYKOTE BG 555 Grease is made from excellent synthetic lubricating oils and designed so that the structure causes the least internal resistance. MOLYKOTE BG 555 Grease can be used as low as -40°C (-40°F), thereby easing cold starting of precision machines and small-size motors.

Figure 2: Low temperature torque test, ASTM D1478-63.



Anti-rust properties

MOLYKOTE BG 555 Grease with its reinforced anti-rust properties is excellent not only for general humidity, but also for very severe conditions. As a result, MOLYKOTE BG 555 Grease can solve the problems such as rusting of automotive electric equipments in the presence of salt water or rusting of electric motors under varnish conditions.

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.

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USABLE LIFE AND STORAGE

When stored at or below 40°C (104°F) 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 1kg tins, 5kg pails and 25kg 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.

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