

Product Information High Performance Lubricants

DOW CORNING

Molykote[®] G-0010 Multipurpose Bearing Grease

FEATURES

- Wide temperature range
- Extreme Pressure lubrication
- Excellent corrosion-preventive properties
- Shear resistant

COMPOSITION

- Modern polyurea thickener
- Mineral base oil
- Corrosion inhibitor

Multipurpose Polyurea-thickened bearing grease

APPLICATIONS

- Electrical motors
- Fan bearings
- Water pump bearings
- Dryers in chemical and paper industries

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		Green
	Base oil type		Mineral oil
	Thickener type		Polyurea
	Consistency, Viscosity		
ASTM D 217	Consistency	NLGI Class	2
	Worked Penetration	mm/10	265 - 295
ASTM D 445	Base oil viscosity @ 40°C	mm ² /s	125
	Temperature		
	Service temperature range (est.)	°C	-30 to +170
		°F	-20 to +340
ASTM D2265	Dropping point	°C (°F)	> 260 (> 525)
	Oil Separation/Evaporation		
FTMS 791C-321.2	Oil separation (24 hrs/ 100°C)	Mass-%	2.3
	Evaporation loss (24 hrs/ 100°C)	Mass-%	0.1
	Load Carrying Capacity, Wear Protection, Speed		
ASTM D 2596	Four Ball Tester Weld load	kg	315
ASTM D 2266	Wear scar under (40 kg; 75°C; 1 hr)	mm	0.60
	Dn value (D _k x rpm; estimated)		400 M
ASTM D 1743	Corrosion prevention		1, 1, 1 Pass

ASTM: American Society for Testing and Materials
FTMS: Federal Test Methods

DESCRIPTION

Molykote® G-0010 is a mineral oil-based grease thickened by a di-urea system. *Molykote*® G-0010 offers excellent low temperature properties and load-carrying characteristics. *Molykote*® G-0010 provides premium rust prevention and due to its polyurea thickener superior shear and oxidation stability.

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 60 months from the date of production.

PACKAGING

This product is available in 400g cartridges, 16kg pails, and 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.

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