

Product Information Specialty Lubricant



DOW CORNING

Molykote® G-9000 Grease

FEATURES & BENEFITS

- High temperature lubricity
- Wide temperature range
- Corrosion resistance
- Superior silicone lubricity
- Lower density than PFPE greases
- Compatibility with elastomers and plastics

COMPOSITION

- Fluorinated silicone-copolymer base oil
- PTFE thickener
- Additives

Molykote® G-9000 Grease is designed for high-temperature applications, based on a unique silicone copolymer technology.

APPLICATIONS

- Bearings running at wide temperature ranges

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.

Test*	Property	Unit	Result
Color, Consistency, Density, Viscosity			
	Color		White
DIN 5118	Consistency	NLGI	2
DIN ISO 2137	Worked penetration (60 strokes)	mm/10	265–295
ISO 2811	Density at 20°C	g/cm ³	1.42
DIN 51562	Base oil viscosity at 40°C	mm ² /s	650
Temperature			
	Service temperature	°C	-35 to 220
IP 396-02	Drop point	°C	> 280°C
DIN 51 805	Flow pressure at – 35°C	mbar	800
Service Life			
DIN 51821	FAG FE9 at 6000 rpm, 1,5 kN, 220°C	F ₅₀ in h	> 60
Corrosion Protection			
DIN 51 802	SKF-EMCOR (7 d, distilled water)	degree	0
DIN 51 811	Copper corrosion at 150°C, 3 h		1b
Oil Separation, Evaporation			
CTM 0033A	Bleed after 24 h at 200°C	%	< 4%
CTM 0033A	Evaporation after 24 h at 200°C	%	< 1%

*DIN: Deutsche Industrie Norm

ISO: International Standardization Organization

IP: Institute of Petroleum

CTM: Corporate Tests Method, copies of CTM's are available on request

DESCRIPTION

Molykote® G-9000 Grease is designed for applications operating at high temperatures. It has good corrosion resistance, improved silicone lubricity and lower density compared to PFPE greases.

HOW TO USE

Clean points of contact. Apply in same way as lubricating greases, using brush, spatula or automatic lubrication device. Easy cleaning with isopropyl alcohol and white spirit.

HANDLING

PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored closed below 40°C in original containers, this product has a usable life of 24 months from the date of production.

PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

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, 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 our 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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