

# Developmental Product Information Specialty Lubricant



DOW CORNING

## *Molykote*<sup>®</sup> G-9001 Grease – Developmental Product

### 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*<sup>®</sup> G-9001 Grease is designed for high-temperature applications, based on a unique silicone copolymer technology.

### APPLICATIONS

- Bearings running at wide temperature ranges

### DEVELOPMENTAL PROPERTIES

Specification Writers: The tests and values listed below are not intended for use in preparing specifications. Certain tests mentioned below may only be performed during development of the product and may no longer be provided if the product is commercialized.

Test	Property	Unit	Result
<b>Color, Consistency, Density, Viscosity</b>			
	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 <sup>3</sup>	1,42
DIN 51562	Base oil viscosity at 40°C	mm <sup>2</sup> /s	400
<b>Temperature</b>			
	Service temperature	°C	-40 to 220
IP 396-02	Drop point	°C	> 280
DIN 51 805	Flow pressure at -35°C / -40°C	mbar	700 / 1400
<b>Service Life</b>			
DIN 51821	FAG FE9 at 6000 rpm, 1,5 kN, 220°C	F <sub>50</sub> in h	> 45
<b>Corrosion Protection</b>			
DIN 51 802	SKF-EMCOR (7d, distilled water)	degree	0
DIN 51 811	Copper corrosion at 150°C, 3 h		1b
<b>Oil Separation, Evaporation</b>			
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-9001 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 iso-propyl alcohol and white spirit.

## **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.

## **Developmental Product Disclaimer**

***Molykote* G-9001 Grease is a Dow Corning developmental material. The composition, features, benefits and other properties are subject to change. The future availability of this product is not guaranteed. You are responsible to determine the suitability of the Product for your contemplated use. The Product is provided "AS IS" WITH ALL FAULTS, AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**