

## Molykote® G-5111 Compound

### FEATURES

- High oxidation resistance
- Wide service temperature range -40°C to 150°C
- Insoluble in water
- Compatible with many plastics and elastomers

### COMPOSITION

- Silicone oil
- Inorganic thickener

### APPLICATIONS

Lubrication of rubber and plastic materials, O-rings, seals, and bellows. Dampening medium for specific applications.

### 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		transparent to light grey
	<b>Consistency, density, viscosity</b>		
DIN ISO 2137	Penetration, unworked 50g Aluminum cone	mm/10	310-350
DIN 51 562	Base oil viscosity at 25°C	mm <sup>2</sup> /s	~ 25,000
ISO 2811	Density	g/ml	0.97
	<b>Temperature</b>		
	Service temperature range	°C	-40 to +150
DIN ISO 2176	Dropping point	°C	187
ASTM D-1478-80	Low temperature torque test at - 40°C		
	Starting torque	Nmm	26.5
	Running torque	Nmm	17.8
	<b>Load carrying capacity, wear</b>		
	Four ball machine		
DIN 51 350 T.4	Weld load	N	1400
	<b>Resistance</b>		
DIN 51808	Oxidation resistance pressure drop, 100 h, 99°C	bar	0.05
DIN 51 802	SKF-Emcors method Degree of corrosion	degree	0

\*DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

ASTM: American Society for Testing and Materials.

### HOW TO USE

Molykote® G-5111 Compound can be applied by hand, specially designed automated equipment, brushing or wiping. Certain designs of grease guns may seize up; test prior to use.

Molykote G-5111 Compound should not be applied to any surface which will be painted or finished. Such coatings may not adhere to the silicone-treated surface. If

contaminated by a silicone coating, parts can be wiped or washed with solvent, washed with detergent, or immersed in an alcoholic potassium hydroxide solution and then rinsed in clear water before painting.

### HANDLING PRECAUTIONS

Molykote G-5111 Compound may cause temporary discomfort when in direct contact with eyes. In case of eye contact, flush eyes with water.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL 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 WEB SITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

## **USABLE LIFE AND STORAGE**

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 42 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 Web site, [dowcorning.com](http://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.

Dow Corning's sole warranty is that our products will meet the 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.™*

[molykote.com](http://molykote.com)