

# Product Information

## Specialty Lubricants

**DOW CORNING**

## *Molykote*<sup>®</sup> G-5021 Grease

### **FEATURES & BENEFITS**

- High oxidation resistance
- Wide service temperature range  
- 40°C to 170°C
- High water resistance
- Good corrosion protection
- Compatible with many plastics and elastomers

### **COMPOSITION**

- Silicone oil
- Lithium soap

High performance grease for plastic/plastic and plastic/metal combinations involving slow to medium fast speeds and low to medium loads

### **APPLICATIONS**

- *Molykote*<sup>®</sup> G-5021 Grease is suitable for use on control cables especially at low and high temperature, sliding-element bearings and mechanisms in climate control boxes

### **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		White
<b>Consistency, density, viscosity</b>			
DIN 51 818	NLGI consistency class		approx. 2
ISO 2137	Unworked penetration	mm/10	280–310
DIN 51 562	Base oil viscosity at 25°C	mm <sup>2</sup> /s	200
ISO 2811	Density	g/ml	0.97
<b>Temperature</b>			
	Service temperature range	°C	-40 to +170
ASTM D566	Dropping point	°C	200
DIN 51805	Kesternich method flow pressure at -40°C	mbar	200
<b>Load carrying capacity, wear protection, service life</b>			
DIN 51 350 T.4	Four ball machine weld load	N	1600
<b>Resistance, Oil bleed and evaporation</b>			
DIN 51808	Oxidation resistance pressure drop, 100 h, 99°C		0.07
FTMS 791-32/2	Bleed 24 h/150°C	%	4.2
FTMS 791-32/2	Evaporation 24 h/150°C	%	1.7

\*DIN: Deutsche Industrie Norm

ISO: International Standardization Organization

ASTM: American Society for Testing and Materials

FTMS: Federal Test Method Standard

## DESCRIPTION

*Molykote* G-5021 Grease is a high performance grease for plastic/plastic and plastic/metal combinations involving slow to medium fast speeds and low to medium loads. It is suitable for use on control cables especially at low and high temperature, sliding-element bearings and mechanisms in climate control boxes and can be used in central lubrication systems.

## HOW TO USE

Clean points of contact. As is usual with lubricating greases, apply by means of a brush, spatula, or automatic lubrication device.

## 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 at or below 40°C in the original unopened containers, this product has a usable life of 60 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](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.

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