

# Product Information Specialty Lubricant

DOW CORNING

## Molykote® G-1067 Grease

### FEATURES & BENEFITS

- Wide temperature range (-50 to 120)
- Compatible with most plastics
- Good lubricant for GFRP (Glass fiber reinforced plastics)

### COMPOSITION

- Poly alpha olefin
- Lithium soap
- White solid lubricants

Synthetic grease designed for automotive components

### APPLICATIONS

- Automotive rail parts
- Lubrication of Glass fiber reinforced plastic parts

### 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     |
|------------|------------------------------------------------|------|------------|
|            | Appearance                                     |      | White      |
| JIS K-2220 | Penetration (worked 60 strokes)                |      | 342        |
|            | Temperature range                              | °C   | -50 to 120 |
| JIS K-2220 | Bleed (24hrs, 100°C)                           | %    | 0.0        |
| JIS K-2220 | Evaporation (22hrs, 99°C)                      | %    | 0.1        |
| JIS K-2220 | Dropping Point                                 | °C   | 210        |
| JIS K-2220 | Copper corrosion test (24hrs, 100°C)           |      | 1a         |
| ASTM D2266 | 4 ball test, wear scar (1200rpm, 392N, 1hr)    | mm   | 0.67       |
| JIS K-2220 | Low temperature torque (-40°C) Starting torque | mN*m | 46         |
|            | Running torque                                 | mN*m | 22         |

\*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

### DESCRIPTION

Molykote® G-1067 Grease is a poly alpha olefin grease designed for automotive body and plastic components.

### HOW TO USE

Apply using conventional grease application methods, i.e., clean brush, and manual or automated dispensing equipment.

#### Friction test

Test machine: Oscillating friction tester

Test parts : 30% glass fiber contained PA66 roller

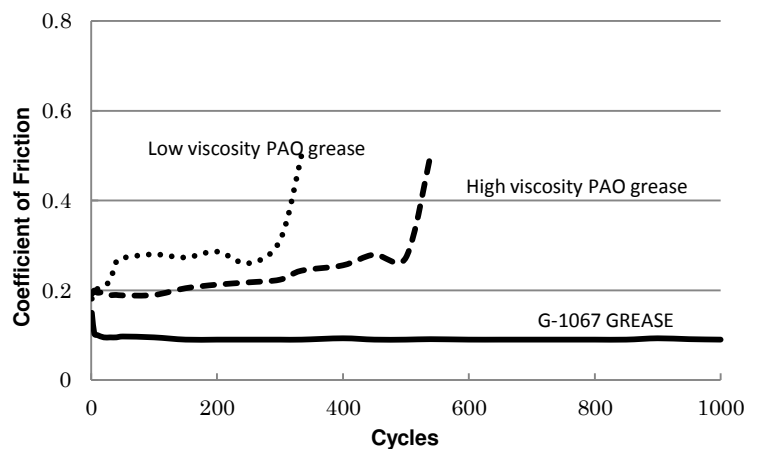
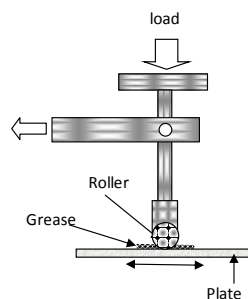
Hot dip galvanizing Steel plate

Load : 0.2kg

Stroke : 40mm

Speed : 30cpm

Grease : 0.01g



## **HANDLING PRECAUTIONS**

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 closed below 40°C in original containers, this product has a usable life of 36 months from the date of production.

## **PACKAGING INFORMATION**

Contact at local Dow Corning for available container size.

## **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.

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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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