

Product Information

Specialty Lubricant

DOW CORNING

Molykote[®] G-1080 Grease

FEATURES

- Wide service temperature range (-40°C to 120°C, -40°F to 248°F)
- Compatible with most plastics
- Low base oil diffusion

BENEFITS

- Reduce operational noise

COMPOSITION

- Polyalphaolefin
- Lithium soap

PAO based noise reduction grease.

APPLICATIONS

- Automotive Heater Controllers
- Repetitive moving parts between plastic and steel

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 ¹ | Property | Unit | Result |
|-------------------|---|------|-------------------|
| | Color | | Translucent white |
| JIS K-2220 | Penetration (worked 60 strokes) | | 380 |
| | Service Temperature | °C | -40 to 120 |
| JIS K-2220 | Bleed (24hrs, 100°C) | % | 12.0 |
| | Base oil diffusion | mm | 15 |
| JIS K-2220 | Evaporation (22hrs, 99°C) | % | 0.2 |
| 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 | 0.52 |
| JIS K-2220 | Low temperature torque (-40°C) | | |
| | Starting torque | mN m | 380 |
| | Running torque | mN m | 450 |

¹JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

Noise Test

Test machine:

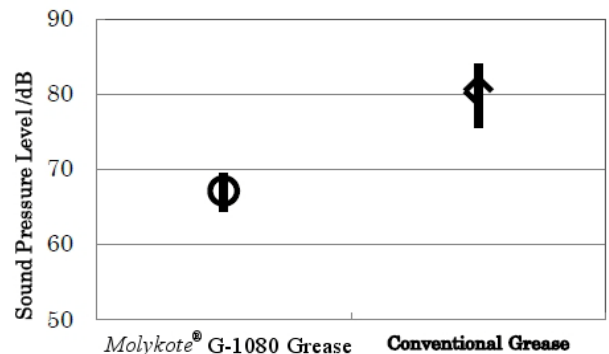
Noise simulation Tester

Test parts:

POM Gear (r:10mm)

vs. Steel

Speed: 24rpm



DESCRIPTION

Molykote[®] G-1080 Grease is PAO based grease designed to be used for noise reduction in automotive components.

HOW TO USE

Mix before use. Clean points of lubrication. 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 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 40°C (104°F) in the original unopened containers at a cool and dark place, this product has a usable life of 36 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 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