

# Product Information

## Specialty Lubricants

DOW CORNING

## Molykote™ G-1160 Grease

### FEATURES & BENEFITS

- Can lubricate metals and plastics, including glass fiber reinforced plastics
- Broad plastics compatibility
- Wide temperature range (-50°C to 120°C)
- Good corrosion inhibition properties
- Silicone free-can be used around electrical brush contacts

### COMPOSITION

- Poly alpha olefin
- Lithium soap
- White solid lubricants
- Copper corrosion inhibitor

PAO grease with excellent low temperature (-50°C) lubrication properties. Designed for a broad range of applications where lubrication of metal-to-plastic and plastics-to-plastic interfaces (including fiber reinforced plastics) is critical. *Molykote™ G-1160 Grease* exhibits very low evaporation and good copper corrosion resistance properties.

### APPLICATIONS

- Sliding applications such as automotive seats, doors, newest lift gates
- Gears in automotive actuators

### 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 to Off-white  |
| ASTM D445      | Base oil viscosity<br>@ 100°C cSt<br>@ 40°C cSt<br>@ -40°C cSt     | cSt<br>cSt<br>cSt | 5.8<br>31.0<br>7800 |
| ASTM D5950/D97 | Pour point   | °F (°C)           | -71 (-57)           |
| ASTM D92       | Flash point  | °F (°C)           | 475 (246)           |
| ASTM D92       | Fire point   | °F (°C)           | 511 (266)           |
| ASTM D2270     | Viscosity index  |                   | 138                 |
|                | Dropping point   | °F (°C)           | 423 (217)           |
|                | Coefficient of Friction<br>(from 4-Ball Wear test)                 |                   | 0.077               |
| ASTM D217      | Penetration,<br>Worked 60 strokes                                  | 1/10th mm         | 300-340             |
| ASTM D6184     | Bleed (100°C, 24 hrs)  | %                 | 3.6                 |
| ASTM D6184     | Evaporation (99°C, 22 hrs)   | %                 | 0.3                 |
| ASTM 2266      | 4-Ball Wear scar (1200 rpm, 392N, 75°C, 1 hr)                      | mm                | 0.62                |
| ASTM D 1478    | Low temperature torque (-40°C)<br>Starting torque<br>Ending torque | mN-m<br>mN-m      | 88<br>33            |
| ASTM D4048     | Copper Corrosion   |                   | 1a                  |

\*ASTM: American Society for Testing and Materials.

## DESCRIPTION

*Molykote* G-1160 Grease is a poly alpha olefin grease designed for metal to plastic and plastic to plastic interfaces. It frequently is used in automotive body and plastic parts and electrical contacts.

## HOW TO USE

Clean point of lubrication. As is usual with lubricating grease, apply of fill by means of brush, spatula or automatic dispensing equipment.

## 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 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 in the original unopened containers, *Molykote* G-1160 Grease has a usable shelf life of 36 months from data of production.

## PACKAGING INFORMATION

Product is available in 16 kg pails.

## 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.

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