

# Product Information Specialty Lubricant

DOW CORNING

## Molykote<sup>®</sup> HP-670 Grease

### FEATURES & BENEFITS

- Wide service temperature (-65 to 250°C)
- Excellent fuel and chemical resistance
- Compatibility with most rubbers and plastics
- Low operational torque
- Long service life with low evaporation loss

### COMPOSITION

- Pefluoropolyether oil
- Fluorinated polymer

Low operational torque fluorinated grease

### APPLICATIONS

- Automotive engine control parts
- Electrical equipment
- Micro bearings

### 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      |
|                | Service temperature range                     |                   | -65 to 250 |
| JIS K 2220     | Penetration (60 worked)                       |                   | 280        |
| JIS K 2220     | Density                                       | g/cm <sup>3</sup> | 2.0        |
| SAE AS 8660    | Bleed (24 hours, 200°C)                       | %                 | 7.0        |
| SAE AS 8660    | Evaporation (24 hours, 200°C)                 | %                 | 0.3        |
| ASTM D 2266    | Four ball wear scar (1200 rpm, 392 N, 1 hour) | mm                | 0.90       |
| JIS K 2220 Low | temperature torque (-20°C)                    |                   |            |
|                | Starting torque                               | mN*m              | 32         |
|                | Running torque                                | mN*m              | 18         |
| JIS K 2220 Low | temperature torque (-40°C)                    |                   |            |
|                | Starting torque                               | mN*m              | 53         |
|                | Running torque                                | mN*m              | 31         |

\*JIS: Japanese Industrial Standard

SAE: Society of Automotive Engineers

ASTM: American Society for Testing and Materials

### DESCRIPTION

Molykote<sup>®</sup> HP-670 Grease is specialty grease thickened with Pefluoropolyether and PTFE powder. Molykote HP-670 Grease provides extraordinary performance under extreme conditions with long service life.

### HOW TO USE

Clean points of lubrication. As is usual with lubricating grease, apply or fill by means of brush, spatula, or automatic filling 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 (104°F) in the original unopened containers, 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 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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PERMITTED BY APPLICABLE  
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PURPOSE OR  
MERCHANTABILITY.**

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