

# Product Information

## High Performance Lubricants

DOW CORNING

# *Molykote*<sup>®</sup> AG-650 Grease

## **FEATURES**

- High load carrying capability
- Good compatibility with plastics and rubber
- Wide service temperature range (-40°C to 150°C)

## **BENEFITS**

- Long term lubrication
- Excellent wear resistance

## **Synthetic Grease**

### **APPLICATIONS**

- Designed for planetary gearsets in the reduction unit of automotive starter motors as well as other grease-lubricated machine elements such as guides, splined shafts, and small gear units operating at slow speeds.

### **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.

<b>Property</b>	<b>Value</b>
Color	yellow
Penetration, worked 60, mm/10	280 - 320
Specific Gravity @ 25°C	0.89
Bleed (24h @ 100°C), %	4.0
Evaporation (22h @ 99°C), %	0.1
Dropping Point	195°C
Oxidation Stability (100h @100°C), psi	1.4
Copper Corrosion Test (24h @ 100°C)	1a
Low Temperature Torque, gf-cm	
@ -20°C Starting torque	1,200
Running torque	550
Four Ball Test wear scar (1h, 40kg, 1200 rpm), mm	0.45
Four Ball Test weld load (1m, 1500 rpm), kg	430

### **DESCRIPTION**

*Molykote*<sup>®</sup> AG-650 is a synthetic oil, lithium-thickened grease containing several different types of solid lubricants.

### **HOW TO USE**

Clean load bearing surfaces. Apply grease in normal way using brush, grease gun, or automatic lubricating system. *Molykote*<sup>®</sup> AG-650 can be used in centralized lubrication systems.

## HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and 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 website at [www.dowcorning.com](http://www.dowcorning.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

## USABLE LIFE AND STORAGE

*Molykote*<sup>®</sup> AG-650 has a shelf life of 36 months when kept in its original sealed container at temperatures above -18°C (0°F).

## PACKAGING

*Molykote*<sup>®</sup> AG-650 is supplied in 16 kg (35.2 lb) open-top 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, [www.dowcorning.com](http://www.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 Dow Corning's 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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