

# Product Information Specialty Lubricants



DOW CORNING

## *Molykote*<sup>®</sup> G-N PLUS Solid Lubricant Paste

### FEATURES & BENEFITS

- High load-carrying capacity
- Low coefficient of friction
- Prevents frictional corrosion and scoring
- Protection from stick-slip
- Good anti-corrosion properties
- Reduces formation of fretting corrosion
- Simplifies dismantling processes
- High surface covering capacity (40 m<sup>2</sup>/kg)

### COMPOSITION

- Mineral oil
- Solid lubricants
- Thickener

Solid lubricant paste for the assembly and running-in of metal components

### APPLICATIONS

- Press-fit production of all types of machine elements, as a running-in lubricant for new machines and gear-boxes
- Permanent lubrication of machine elements that are moved only rarely or slightly and also for drilling, sawing and thread cutting
- Used successfully for lubricating threaded spindles, splined shafts, toothed gears, worm and transmission gears, screws, valves, pumps, machine-tool guides and also for the tightening and fitting of roller bearings, washers, wheels, flanges and bolts

### 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 <sup>1</sup>	Property	Unit	Result
	Color		Black
<b>Penetration, Density</b>			
ISO 2137	Unworked penetration	mm/10	280–310
ISO 2811	Density at 20°C (68°F)	g/ml	1.35
<b>Temperature</b>			
	Service temperature <sup>2</sup>	°C	-25 to +450 with reduced air access +630
		°F	-13 to +842 with reduced air access +1166
<b>Load-carrying Capacity, Wear Protection, Service Life</b>			
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	2800
DIN 51 350 pt.5	Wear scar under 800 N load	mm	0.75
	Almen-Wieland machine		
	OK load	N	> 20000
	Frictional force	N	2600

<sup>1</sup>ISO: International Standardization Organization

DIN: Deutsche Industrie Norm

<sup>2</sup>Temperature resistance of solid lubricants

## HOW TO USE

### How to Apply

Clean the sliding surfaces or contact areas, then apply paste with a brush, cloth, synthetic sponge or window leather. Do not use in excess as with grease lubrication. Vigorous rubbing into metal surface will improve adhesion. Do not mix with greases or oils.

## 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 between 0°C and 40°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

## PACKAGING

### INFORMATION

*Molykote*<sup>®</sup> G-N PLUS Solid Lubricant Paste 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.

## TYPICAL PROPERTIES (continued)

Test	Property	Unit	Result
<b>Coefficient of Friction</b>			
	Press-Fit test	μ	0.08, no scatter
	Screw test: Erichsen <sup>3</sup>		
	Screw test - μ thread		0.12
	Screw test - μ head		0.06
<b>Resistance</b>			
DIN 51 807 pt.1	Water resistance, static, evaluation		2-90

<sup>3</sup>Coefficient of friction in bolted connection, M12, 8.8, on blackened surface

## 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.

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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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