

# Specialty Lubricants

## MOLYKOTE® G-N PLUS Solid Lubricant Paste

### FEATURES

- High load-carrying capacity
- Low coefficient of friction, ( $\mu = 0.09$ , no stick-slip)
- 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 (40m<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 representative prior to writing specifications on this product.

Standard*	Test	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>1</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 800N load	mm	0.75
	Almen-Wieland machine		
	OK load	N	>20000
	Frictional force	N	2600
	<b>Coefficient of friction</b>		
	Press-Fit test $\mu =$		0.08, no scatter
	Screw test: Erichsen <sup>2</sup>		
	Screw test - $\mu$ thread		0.12
	Screw test - $\mu$ head		0.06

## TYPICAL PROPERTIES (continued)

Standard*	Test	Unit	Result
	<b>Resistance</b>		
DIN 51 807 pt.1	Water resistance, static, evaluation		2-90

1. Temperature resistance of solid lubricants.
2. Coefficient of friction in bolted connection, M12, 8.8, on blackened surface.

\* DIN: Deutsche Industrie Norm.

ISO: International Standardisation Organisation.

## 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. 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

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

## PACKAGING

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, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

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