

# Specialty Lubricants

## MOLYKOTE® G-Rapid Plus Solid lubricant paste

### FEATURES

- Low friction coefficient
- High pressure-absorption capacity
- Prevents seizure and scoring
- Suppresses stick-slip
- Reduces formation of fretting corrosion
- Facilitates disassembly
- Good coverage
- Provides emergency running performance

### COMPOSITION

- Mineral oil
- Solid lubricants

**Solid lubricating paste with particularly low friction coefficient for assembly and running-in of metallic components**

### APPLICATIONS

- Suitable for the press-fit production of all types of machine elements, as a running-in lubricant for new machines and gears, as permanent lubrication of machine elements which are submitted to slight or intermittent movement only, as well as for drilling, sawing and thread-cutting.
- Used to lubricate threaded spindles, splined shafts, tooth gearing, worm gearing, moving screws, fittings, pumps, guides on machine tools, as well as for fitting ball and roller bearings, pulleys, wheel 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>Consistency, density</b>		
	Unworked penetration	mm/10	255-275
	Density at 20°C (68°F)	g/ml	1.40
	<b>Temperature</b>		
	Service temperature range	°C	-35 to +450
		°F	-31 to +842
	<b>Load-carrying capacity</b>		
DIN 51 350 pt.4	Four-ball tester		
	Weld load	N	5300
	Almen Wieland machine OK load	N	>20000
	<b>Coefficient of friction</b>		
	In bolted connection M12, 8.8 with blackened surface (Erichsen tester),		
	- μ thread		0.10
	- μ head		0.06
	Press-Fit test, μ		0.05, no chatter
	<b>Resistance</b>		
DIN 51 807 pt.1	Water resistance, static, evaluation		1-90

\* DIN: Deutsche Industrie Norm

### 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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