



Molykote[®] G-Rapid Plus Solid Lubricant Paste

FEATURES & BENEFITS

- 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 office or your Global Dow Corning Connection before writing specifications on this product.

Test ¹	Property	Unit	Result
	Color		Black
Consistency, Density			
	Unworked penetration	mm/10	255–275
	Density at 20°C (68°F)	g/ml	1.40
Temperature			
	Service temperature	°C	-35 to +450
		°F	-31 to +842
Load-carrying Capacity			
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	5300
	Almen-Wieland machine OK load	N	> 20000
Coefficient of Friction			
	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
Resistance			
DIN 51 807 pt.1	Water resistance, static, evaluation		1–90

¹DIN: 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 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[®] G-Rapid 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.

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 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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