

MOLYKOTE® G-RAPID PLUS

SOLID LUBRICANT PASTE

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

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

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

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard*	Test	Units	Result
	Consistency, density		
	Unworked penetration	mm/10	255-275
	Density at 20°C	g/ml	1.40
	Temperature		
	Service temperature range	°C	-35 to +450
	Load-carrying capacity		
DIN 51 350 pt.4	Four-ball tester		
	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

* 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

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for

safe use, and any physical and/or health hazard information.

USABLE LIFE AND STORAGE

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

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

PACKAGING INFORMATION

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

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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