

MOLYKOTE® G-N PLUS

SOLID LUBRICANT PASTE

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

FEATURES

- ◆ High pressure-absorption 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 frictional corrosion
- ◆ Simplifies dismantling processes
- ◆ High surface covering capacity (40m²/kg)

COMPOSITION

- ◆ Mineral oil
- ◆ Solid lubricants
- ◆ Thickener

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

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	Unit	Result
	Colour		Black
	Penetration, density		
ISO 2137	Unworked penetration	mm/10	280 - 310
ISO 2811	Density at 20°C	g/ml	1.35
	Temperature		
	Service temperature ¹	°C	-25 to +450 with reduced air access +630
	Load-carrying capacity, wear protection, service life		
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	2800
DIN 51 350 pt.5	Wear scar under 800N load Almen-Wieland machine	mm	0.75
	OK load	N	>20000
	Frictional force	N	2600
	Coefficient of friction		
	Press-Fit test $\mu =$		0.08, no chatter
	Screw test: Erichsen ²		
	Screw test - μ thread		0.12
	Screw test - μ head		0.06
	Resistance		
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.

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.

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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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