

# Specialty Lubricants

## MOLYKOTE® G Paste

**A top-of-the-line assembly paste containing more than 60% molybdenum disulfide to prevent seizure**

### FEATURES

- Heat resistant (400°C)
- Excellent load-carrying capacity and prevents seizure
- Low coefficient of friction even under high loads

### COMPOSITION

- Molybdenum disulfide
- Mineral oil
- Lithium soap

### APPLICATIONS

- Reduces break-in time, prevent seizures and extends service lives for parts.
- Can be used at assembly, for sliding parts under high loads at low speeds, as a screw lubricant, and in metal working.

### 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*	Parameter	Unit	Value
	Appearance		Grey black
JIS K 2220	Penetration (worked 60 times)	mm/10	310 to 360
	NLGI class		0 to 1
	Service temperature range <sup>1</sup>	°C	-20 to 120
	Density	g/cm <sup>3</sup>	1.86
	Press-fit test, coefficient of friction <sup>2</sup>		0.12
JIS K 2220	Copper corrosion 100°C 2 hours		1b
ASTM D 2266	Four ball wear scar (1740rpm, 392N, 1 hour)	mm	0.91
ASTM D 2670	Falex weld load	N	14700

1. Although the base oil will carbonize at temperatures in excess of 120°C, the solid components will maintain lubrication up to 400°C. Maintains lubrication up to 1100°C if in an air-free environment.

2. Steel on steel, 1.5mm/minute, press-fit pressure of 69MPa.

\*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

### HOW TO USE

Clean and degrease surface before application. The following methods of application can be used:

- Burnishing - rub on with a cloth or deerskin.
- Paint with brush - a thin, strong brush is recommended.
- Aerosol spray.

Because molybdenum disulfide has a high specific gravity, it may separate. Mix well before use.

### HANDLING PRECAUTIONS

This product may irritate the skin or eyes. Wear safety equipment as necessary when handling this product. In the event of contact with skin or eyes, immediately rinse thoroughly with water and seek medical care if necessary. Wash hands thoroughly after handling.

### USABLE LIFE AND STORAGE

When stored, unopened in a cool, dark place this product, has a usable life of 36 months from the date of production.

## PACKAGING

This product is available in:  
100g tubes (60 tubes per case)  
500g cans (10 cans/case)  
2kg cans (4 cans/case)  
6kg can.

## CAUTION

1. Data included in this document are average values, not specification values. Any applications for this product given in this document are merely examples. Perform thorough evaluations to confirm functionality, effectiveness, and safety before use.
2. No guarantees are made that the applications described in this document are free from infringements of any patent.
3. This product was developed for industrial use, and is not intended for use in medical equipment, pharmaceutical products, etc.
4. Be sure to read the material safety data sheet (MSDS) and container label for this product before use.
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