

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; prevents seizure
- Low coefficient of friction, even under high loads

Composition

- Molybdenum disulfide (MoS₂)
- Mineral oil
- Lithium soap

Applications

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

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.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

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.

Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

Standard ⁽¹⁾	Test	Unit	Result
	Appearance		Gray black
JIS K 2220	Penetration (worked 60 times)	mm/10	310 to 360
	NLGI class		0 to 1
	Service temperature range ⁽²⁾	°C	-20 to 120
	Density	g/cm ³	1.86
	Press-fit test, coefficient of friction ⁽³⁾		0.12
JIS K 2220	Copper corrosion 100°C, 2 hours		1b
ASTM D2266	Four ball wear scar (1,740 rpm, 392 N, 1 hour)	mm	0.91
ASTM D2670	Falex weld load	N	14,700

⁽¹⁾JIS: Japanese Industrial Standard. ASTM: American Society for Testing and Materials.

⁽²⁾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 1,100°C if in an air-free environment.

⁽³⁾Steel on steel, 1.5 mm/minute, press-fit pressure of 69 MPa.

Packaging

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

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