

Specialty Lubricants

MOLYKOTE® Gn Paste

A combination paste containing molybdenum disulfide, with superior resistance to high loads

FEATURES

- Heat resistant (400°C)
- Excellent load-carrying capacity and prevents seizure
- Prevents fretting corrosion
- Good for oscillating movement
- Low coefficient of friction even under high loads
- Economical, with a large coating surface area per unit

COMPOSITION

- Molybdenum disulfide
- White solid lubricants
- Mineral oil

APPLICATIONS

- Reduces break-in time, and extends service lives of 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 (unworked)	mm/10	300
	NLGI class		1 to 2
	Service temperature range ¹	°C	-20 to 120
	Density	g/cm ³	1.38
JIS K 2220	Bleed (100°C 24 hours)	%	1.5
JIS K 2220	Evaporation (99°C 22 hours)	%	1.2
JIS K 2220	Copper corrosion 100°C 2 hours		1a
	Press-fit test, coefficient of friction ²		0.10
ASTM D 2266	Four ball wear scar (1740rpm, 392N, 1 hour)	mm	0.53
ASTM D 2670	Falex weld load	N	14700
ASTM D 2714	LFW-1 oscillation life (at 90° angle, 75 cpm, 2700N)	cycles	>20000

1. Although the base oil will carbonize at temperatures in excess of 120°C, the solid components will maintain lubrication up to 400°C.

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 the solid components tend to separate out, mix thoroughly 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:
500g cans (10cans/case)
1kg cans (4 cans/case)
5kg and 20kg cans.

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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