

MOLYKOTE® G-N Paste

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

Features

- Heat-resistant (400°C)
- Excellent load-carrying capacity; 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

MOLYKOTE® G-N Paste lubricates surfaces subjected to extreme pressures. Specific applications include:

- Running-in lubricant – for new or rebuilt equipment, such as gears, splines, journal bearings, cams and ways
- Metalworking – helps prevent galling, welding and metal pickup on tools and dies in machining, stamping and drawing operations; tube bending; thread rolling; cold heading; swaging and forging
- Assembly lubricant – reduces torque in tightening threaded fasteners and tension variation from bolt to bolt; eases disassembly and reduces chance of damage
- Helps prevent fretting wear and corrosion and cold welding of bearing shafts, bushings and splines
- Press-fitting lubricant – allows press fitting without chatter or stick-slip in most cases; reduces the force required for interference fitting and minimizes distortion

How to use

MOLYKOTE® G-N Paste can be applied in a thin film to clean surfaces by either of the following methods:

- Burnishing – rub on with a clean, lint-free cloth.
- Brushing – brush on, preferably using a brush with short, stiff bristles.

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 (unworked)		300
	NLGI class		1 to 2
	Service temperature range	°C	-20 to 120 Solid: 400
	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, 24 hours)		1b
	Press-fit test, coefficient of friction ⁽²⁾		0.10
ASTM D2266	Four ball wear scar (1,740 rpm, 392 N, 1 hour)	mm	0.53
ASTM D2670	Falex weld load	N	14,700
ASTM D2714	LFW-1 oscillation life (90° angle, 75 cpm, 2,700 N)	cycles	> 20,000

⁽¹⁾JIS: Japan Industrial standard. ASTM: ASTM International.

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

Handling precautions

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, MOLYKOTE® G-N Paste has a usable life of 36 months from the date of production.

Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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