



MOLYKOTE® U Paste

Solid lubricant paste for high-temperature applications; contains polyalkylene glycol base oil and high-quality molybdenum disulfide (over 60%) and thickened with lithium soap

Features

- Excellent load-carrying capacity
- Wide service-temperature range
- Compatible with most natural rubbers and almost all kinds of synthetic rubber
- Limited influence on plastic axles, metals and laminated parts
- With complete volatilization of polyalkylene glycol at high temperatures, molybdenum disulfide solid lubricant film is formed
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

Composition

- Molybdenum disulfide microparticles
- Polyalkylene glycol
- Lithium soap

Applications

O-ring lubrication; friction reduction and prevention of seizing and galling; lubrication and scoring-prevention of packings and shafts of compressors and pumps – extension of packing life; overheating and seizure prevention; reduction of friction and wear of assemblies at high temperatures.

How to use

Burnishing: Rub on with a cloth or deerskin. Paint with brush: A thin, stiff brush is recommended; if the solids and oil have separated in storage, stir well before use.

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.

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		Grayish-black
	Density	g/cm ³	1.92
JIS K 2220	Penetration, worked 60 strokes		280-340
	NLGI class		1 to 2
	Service temperature	°C (°F)	-40 to 180 (-40 to 356) solid: 400
JIS K 2220	Bleed 100°C (212°F)/24 hours	%	0.82
JIS K 2220	Evaporation 99°C (210°F)/22 hours	%	1.33
	LFW-4 press fitting coefficient of friction		0.10
ASTM D2266	Four ball wear scar (1,200 rpm, 392 N, 1 hour)	mm	0.72

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

Usable life and storage

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

Packaging

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

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