MOLYKOTE® D Paste

Light-colored, solid lubricant paste for assembly and running-in of metallic components

Features & benefits

- High load-carrying capacity
- Prevents stick-slip and seizure
- Good corrosion protection
- Excellent protection against galling and fretting corrosion
- Cleanness

Composition

- Thickener
- Mineral oil
- Solid lubricants

Description

MOLYKOTE® D Paste is an off-white solid-lubricant-based paste with the consistency of an NLGI 2-3 grease, made of a combination of white solid lubricants and mineral oil.

Applications

Sliding surfaces and friction contacts exposed to heavy loads, requiring “clean” lubrication, particularly at low speeds, and as a running-in lubricant. Suitable for use on many friction contacts; electrical and domestic appliances, packaging and office machinery, precision instruments, and machinery in the food and beverage industry, as well as in textile and plastics processing machinery.

How to use

The sliding surfaces or contact points should be cleaned. MOLYKOTE® D Paste should then be applied with a brush, rag, artificial sponge or chamois leather or be sprayed on with a spray can. It should not be used to excess like greases or oils.

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
	Color		Off-white
Penetration, density			
ISO 2137	Unworked penetration	mm/10	250-280
ISO 2811	Density at 20°C (68°F)	g/ml	1.2
Temperature			
	Service temperature range	°C	-25 to 250
		°F	-13 to 482
Load-carrying capacity, wear protection, service life			
DIN 51 350 pt.4	Four-ball tester (VKA) weld load	N	2,600
DIN 51 350 pt.5	Wear scar under 800 N load	mm	1.08
	Almen-Wieland machine OK load	N	20,000
Coefficient of friction			
	Press-fit test μ		0.10, no chatter
Resistance			
DIN 51 807 pt.1	Water resistance, static, evaluation		1-90
Corrosion protection			
DIN 51 802	SKF Emcor method		
	Degree of corrosion		0
Deyber	Fretting corrosion	cycles	36×10^6

[1]ISO: International Standardization Organization. DIN: Deutsche Industrie Norm.

Usable life and storage

When stored at or below 20°C (68°F) in the original unopened containers, MOLYKOTE® D Paste has a usable life of 60 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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