MOLYKOTE® Cu-7439 Plus High Temperature Copper Paste

High-temperature copper paste

Features

- Excellent adhesion to metal surfaces
- Wide temperature range (-30 to 650°C)
- Good load-carrying capability

Benefits

- Reduces friction and wear
- Excellent protection against fretting corrosion and corrosion due to high temperature
- Helps prevent brake squeal in disc brakes
- Allows trouble-free disassembly of machine components, even after long service intervals

Applications

Disc brakes, brake cams, brake guides, flange seals, adjuster screws, and threaded connections; vehicle assembly and maintenance (e.g., truck drum brakes); in steel works, glass manufacturing, refineries, and petrochemical facilities; and on agricultural and marine vehicles.

Description

MOLYKOTE® Cu-7439 Plus High Temperature Copper Paste is a long-term lubricant for machine components that are exposed to high loads, high temperatures and corrosive environments. The paste exhibits excellent adhesion to metal surfaces, providing not only good resistance to removal by steam and/or hot water, but increased protection from corrosion.

How to use

Apply by brush to clean, dry metal surfaces.

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	Test	Unit	Result
	Color		Copper
	Temperature range	°C	-30 to +650 (as paste up to 300°)
	Density	g/cm^3	0.99
	Penetration, unworked	mm/10	310-360
	Dropping point		None
	Extreme pressure capability [AWM O.K. - load]	lbs	4,400
	Four ball test, wear scar, 1 hour @ 400 N	mm	0.6
	Press fit test, coefficient of friction		0.12
	Corrosion tests at 50 µm thickness (DIN 50021 salt spray test)	hours	> 500
	after heating at 250°C for 1 hour	hours	> 100
	SKF corrosion test (7 day water test)		0-1

Usable life and storage

MOLYKOTE® Cu-7439 Plus High Temperature Copper Paste has a shelf life of 60 months when kept in its original, sealed container.

Packaging

MOLYKOTE® Cu-7439 Plus High Temperature Copper Paste is supplied in 16 kg (35.2 lb) open-top pails.

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