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MOLYKOTE[®] Cu-7439 Plus Paste

Copper paste for components subjected to high temperatures, high pressures and corrosive influences

Features

- Wide service-temperature range
- Good pressure resistance
- · Very adhesive and resistant against water washout
- Good corrosion protection
- Low evaporation
- No drop point

Composition

- Powdered copper
- Partly synthetic oil
- Inhibitor

Applications

Well-suited for all areas that need to be protected against water, steam and corrosion (e.g., brake mechanisms, flange seals, exhauster bolts).

How to use

If possible, contact surfaces should be cleaned. Then apply paste with a brush or cloth. Excess lubricant need not be removed. MOLYKOTE[®] Cu-7439 Plus Paste can be used in grease guns and centralized lubrication systems.

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 at or below 20°C(68°F) in the original unopened containers, this product 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.

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.

Consistency, o ISO 2137 DIN 53 217 DIN 51 562 Temperature	Test Color density, viscosity Unworked penetration Density at 20°C (68°F) Base oil viscosity at 40°C (104°F) Service temperature	Unit mm/10 g/ml mm²/s °C	Result Copper - colored 320-370 1.0 1,100 -30 to +650; paste effective to
Consistency, of ISO 2137 DIN 53 217 DIN 51 562 Temperature	density, viscosity Unworked penetration Density at 20°C (68°F) Base oil viscosity at 40°C (104°F)	g/ml mm²/s	colored 320-370 1.0 1,100 -30 to +650; paste
ISO 2137 DIN 53 217 DIN 51 562 Temperature	Unworked penetration Density at 20°C (68°F) Base oil viscosity at 40°C (104°F)	g/ml mm²/s	1.0 1,100 -30 to +650; paste
DIN 53 217 DIN 51 562 Temperature	Density at 20°C (68°F) Base oil viscosity at 40°C (104°F)	g/ml mm²/s	1.0 1,100 -30 to +650; paste
DIN 51 562 Temperature	Base oil viscosity at 40°C (104°F)	mm²/s	1,100 -30 to +650; paste
Temperature	40°C (104°F)		-30 to +650; paste
•	Service temperature	°C	paste
	Service temperature	°C	paste
			+300
		°F	-22 to +1,202; paste effective to +572
ISO 2176	Drop point	°C	None
		°F	None
Load-carrying	capacity, wear protection	on, service li	fe
	Four-ball tester		
DIN 51 350 pt.4	Weld load	Ν	2,500
	Wear factor under 800 N load	mm	1.0
	Almen-Wieland machine		
	OK load	Ν	>20,000
Coefficient of	friction		
	Press-fit test µ =		0.07
¹⁾ DIN: Deutsche Ind	dustrie Norm.		

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Typical properties (continued)

Standard	Test	Unit	Result	
	Screw test:			
	Coefficient of friction of bolt connection M12, 8.8, blackened surface			
	- μ thread		0.17	
	-μhead		0.10	
	Initial break-away torque (M12 with starting torque Ma=80 Nm and heat treatment at 300°C/572°F, 21 h, bolt material: C 45, 8.8, mat.no. 1.0503)	Nm	110	
DIN 51 807 pt.1	Water resistance, static, evaluation		1 @ 90°C	
Corrosion protection				
DIN 52 802	SKF-Emcor method			
	Degree of corrosion		0	

⁽¹⁾DIN: Deutsche Industrie Norm.

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