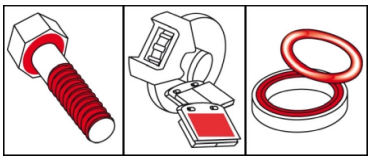
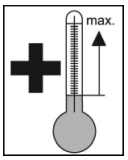


PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 241
Copper Paste, Spray





Description

High-temperature screw paste on copper basis for preventing corrosion, seizing and binding.

Applications

- Assembling screw threaded connections subjected to high temperatures and corrosive influences
- Screwed connections at pipe fittings, flange joints and fittings in superheated steam lines
- Combustion chamber screwed connections and mounting bolts of gas and oil burners
- Screwed connections at combustion engines, exhaust systems, silencers and exhaust gas pipe connections

Advantages and benefits

- Allows reliable non-destructive dismantling even after longer operating period under high operating and ambient temperatures
- Provides an optimal ratio of screw pretension and tightening torque
- Electrically conductive

Branches

- Plant and machine (tool) engineering
- Rail vehicle technology
- Chemical industry
- Rubber and plastic processing
- Paper and packaging industry
- Shipbuilding and marine technology
- Iron and steel industry
- Logistics
- Glass and foundry industry
- Municipal services

Application tips

For best adhesion, clean contamination and other lubricants from thread and slide surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaning agent. Evenly spray a sufficient amount of OKS 241 onto the head or nut contact surface and thread. Do not use paste instead of grease and mix only with suitable lubricants.

Packaging

- 400 ml Spray

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OKS 241
Copper Paste, Spray

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				synthetic oil
thickener				inorganic
solid lubricants				copper
solid lubricants				MoS_2
solid lubricants				other solid lubricants
Application related technical data				
flashing point	DIN ISO 2592	> 79	°C	> 20
drop point	DIN ISO 2176		°C	without
unworked penetration	DIN ISO 2137	no shear stress	0.1 mm	290-330
lower operating temperature			°C	-30
upper operating temperature		separation	°C	1100
colour				copper-brown
density	DIN EN ISO 3838	at 20°C	g/cm³	0.82
four-ball test rig welding load	DIN 51 350-4		N	2,800
Total friction coefficient (µ)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.09
breakaway torque	DIN 267-27	M10 A2, 40 Nm, 400 °C, 100 h	Nm	< 2,5 x tightening torque
press-fit test (µ)	draft DIN 51 833			0,12, no chatter
Product specific technical data				
electrical conductivity (at 23°C)	DIN IEC 247		$1_OHM_CM	2,27x10^8
Properties and approvals				
UFI				1SY4-W058-3003-QGAU

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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