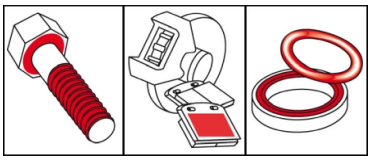
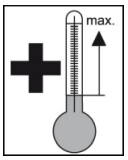
PRODUCT INFORMATION

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

PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

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

Klüber Lubrication München GmbH & Co. KG
Geisenhausenerstraße 7 / 81379 München / Germany / phone +49 89 7876-0