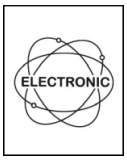
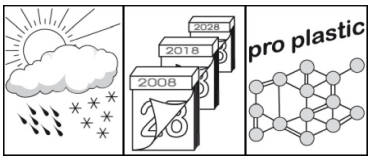
PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 1105
Isolating Paste





Description

OKS 1105 prevents the formation of electrically conductive layers and minimises the risk of flashovers and dielectric losses. The insulators and switchgear covered with the paste thus maintain a good insulation resistance.

Applications

- Sealing lubrication for electrical or electronic equipment such as relays, plug-in connections, cable lugs and lamp sockets
- Protection of insulators and switchgear in humid atmospheres, for example of junction boxes, screw terminals, overload cutouts at high-voltage pylons, connecting cables and terminal connections
- Lubricant for plastic screw connections and other moving parts of metal, ceramic, plastic

Advantages and benefits

- Excellent water repellent properties
- Excellent surface wetting
- Good adhesion on glass, porcelain and plastics
- Stable consistency across a wide temperature range
- Very good resistance to chemical and weather-based influences (e.g. ozone, UV radiation)
- Neutral with regard to many materials
- Small change in the dielectric properties across a wide temperature range

Branches

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

Application tips

For optimum effectiveness, clean the point to be protected. Best way is to clean mechanically first and then with OKS 2610/OKS 2611 universal cleaner. Apply OKS 1105 evenly. Avoid excesses. Observe the plant manufacturer's instructions. If the protective layer is saturated with conductive particles, remove these and apply a new coating.

Packaging

- 500 g Can
- 5 kg Hobbock

PRODUCT INFORMATION

a product brand of KLÜBER LUBRICATION

OKS 1105
Isolating Paste

Technical data

	Standard	Conditions	Unit	Value
Main components				
base oil				polydimethylsiloxane
thickener				inorganic
Application related technical data				
marking	analogue to DIN 51 502			MSI23S-40
drop point	DIN ISO 2176		°C	without
unworked penetration	DIN ISO 2137		0.1 mm	245-275
resistance to oxidation	DIN 51 808	100h/99°C	bar	< 0.3
lower operating temperature			°C	-40
upper operating temperature			°C	200
colour				light-coloured
density	DIN EN ISO 3838	at 20°C	g/cm³	1.05
Product specific technical data				
dielectric constant		10^2 - 10^5 Hz		2.75
evaporation loss	DIN 58 397-1	30h, 200°C	percent in weight	< 2.5
dielectric strength	DIN 53 482		kV/mm	approx. 35
specific resistivity	DIN 53 482	25°C	Ω cm	approx. 10^{14}

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