

OKS 1105 Insulating 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

Main Fields of application

- Electrical plant engineering and technology
- Electrical engineering and electronics
- Power utility companies

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

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.

Our customer advice service will be pleased to help should you have any further questions.

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Technical Data

	Standard	Conditions	Unit	Value
Marking	Analogue to DIN 51 502			MSI3S-40
Base oil				
Type				Polydimethylsiloxane
Evaporation loss	DIN 58 397-1	30h/200°C	percent in weight	< 2.5
Thickener				
Type				inorganic
Unworked penetration	DIN ISO 2137		0.1 mm	245 - 275
Drop point	DIN ISO 2176		°C	without
Resistance to oxidation	DIN 51 808	100 h/99°C	bar	< 0.3
Application-specific data				
Density	DIN EN ISO 3838	20°C	g/ml	1.0
Colour				light-coloured
Operating temperatures				
Lower operating temperature			°C	-40
Upper operating temperature			°C	200
Electrical characteristics				
Dielectric strength	DIN 53 481	0.05 inch	KV/mm	approx. 35
Electrical characteristics of the base oil				
Resistivity		25°C	Ohm cm	approx. 10 ¹⁴
Dielectric constant ϵ_r		10 ² – 10 ⁵ Hz		2.75

Packaging

- 500 g tin
- 5 kg hobbock

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