

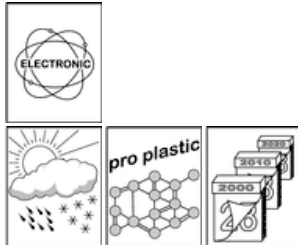


OKS 1105 - Product Information

Fields of Application:

Protection of insulators and switchgears in wet atmosphere, e.g. at cross beams, connection and branch boxes, jack clamps, overload switches at pylons, threads and bolts of insulators, connecting cables, terminal boxes, screwed clamp connections, aso. Avoids the generation of electrical conductive layers and minimises the risk of flashovers and dielectrical losses.

OKS 1105 Silicone Paste für High Voltage Insulators



Advantages and Benefits:

OKS 1105 neutralises through absorption conducting and abrasive dirt particles. About one hour after impinging the particle will be absorbed, after about 24 hours it will be completely capsulated. The insulators and switchgears covered with OKS 1105 so keep a good leakage resistance. OKS 1105 has very good water repellent properties as well as an excellent surface wetting with a good spreading behaviour. Good adhesion to glas, porcelan and plastics. Constant consistency at a wide temperature range. Very good resistant to chemical and atmospheric conditions (e.g. oxygen, ozone, uv- radiation). Neutral against the usual materials on which the paste is applied on. Minor change of the dielectrical properties at a wide temperature range. Long action period (depending on the thickness more than one year).

Application:

For optimum effectiveness, first clean functional aereas carefully, best with OKS 2610 or OKS 2611 universal cleaner. Use a brush, spatula or similar to apply evenly thin to the dry contact surface. Avoid excesses. Take care of the machine manufacturers advices. Relubrication intervals and amount to be defined acc. to the service conditions. Only mix with suitable lubricants. For further questions please contact our Technical department.

Additional Information:

Packaging (Article number):

- 500 g Tin (01105031)
- 5 kg Hobbock (01105050)
- 25 kg Hobbock (01105062)

Version
E-12.1/06

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OKS 1105 Silicone Paste für High Voltage Insulators

Technical Data

	Norm	Conditions	Unit	Value
Classification	DIN 51 502			MSI3S-40
Base oil				
Type				Polydimethylsiloxane
Pourpoint	DIN ISO 3016		°C	-45
Thickener				
Type				anorganic
Consistency	DIN 51 818	DIN ISO 2137	NLGI- class	3
Worked penetration	DIN ISO 2137		0,1 mm	210 - 240
Drop point	DIN ISO 2176		°C	none
Application Data				
Density	DIN EN ISO 3838	+20°C	g/ml	1,02
Colour				whitely
Service Temperatures				
Minimum service temperature			°C	-40
Maximum service temperature			°C	210
Electrical characteristics				
Electrical resistance		at 25°C	Ohm cm	approx. 10^{13}
Dielectric strength	DIN 53 481	0,05 inch Elektrode distance	KV/mm	approx. 20
Dielectric constant		1 kHz - 10 MHz		2,8 - 3,1
Arc stability				> 60 s

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