

SGM496 Pink Silicone Grease

Description	Property	Test Method	Value
This is a water repellent, non-melting silicone grease developed to meet the special requirement of High Voltage insulator coating	Product		0.1 %
Key Features	Bleed %		Pink
<ul style="list-style-type: none"> • Excellent work stability • Non melting even in hot climates • Tinted pink for visual inspection aid • Excellent water repellence 	Color		
Application	Density	BS ISO 2781	1.00 g/cm³
HV Insulator Grease	Max Storage Temperature		40 °C / 104 °F
Use and Cure Information	Max Working Temp		200 °C / 392 °F
Typical Applications	Min Working Temp		-50 °C / -58 °F
Humidity and industrial/natural contaminants have long been a cause of leakages and flashovers on HV insulators. Experience has shown that a layer of silicone grease can eliminate this problem, not only by shedding water, but also by encapsulating any contaminating particles, thus preserving an unbroken dielectric surface at all times.	Penetration (150g Cone)		195 mm x 10
How to Use	Rheology		Paste
May be applied as received by brushing onto insulators this will give a coating of approximately 0.5mm on a horizontal surface. If preferred, the product can be applied as 30% dispersion in organic solvent by spraying which will give a coating of approximately 0.25mm in a single pass without sagging or runs.	Silicone Yes/No		Yes
After allowing a short time for the solvent to evaporate, subsequent coats can be applied; insulators should be cleaned before application. In all cases the insulator should be polished with a clean rag charged with grease to force the grease into intimate contact with the surface; thus, ensuring subsequent layers; however, they are applied; are well bound to the surface.	Thermal Conductivity		0.2 W/mK
The grease can also be with a pink-pigment to facilitate the application of even layers; as it contrasts with the colour of the insulator surface. This colouring can also be seen from a distance, which helps to indicate re-application; after time; without operatives having to climb up to view the insulator	Weight Loss %		<0.5 %
Health & Safety	Worked Penetration (150g Cone)		213 mm x 10
Health and Safety	Electrical Properties		
Safety Data Sheets available on request.	Dielectric Breakdown (kV/mm)		26 kV
Packaging	Dielectric Constant	ASTM D-150	2.9
CHT Greases are available in a variety packaging including bulk containers. Please contact our sales department for more information.	Dielectric Strength (V/mil)		495 V/mil
	Volume Resistivity (Ohms cm)	ASTM D-257	1E+15 ohms cm
	Storage		
	Shelf Life		24 mths

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