

## SGM496 White Silicone Grease

### Description

This is a water repellent, non-melting silicone grease developed to meet the special requirement of High Voltage insulator coating

### Key Features

- Excellent work stability
- Non melting even in hot climates
- Opaque to white in colour
- Excellent water repellence

### Application

HV Insulator Grease

### Use and Cure Information

### Typical Applications

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.

### How to Use

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.

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.

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

### Health & Safety

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Safety Data Sheets available on request.

### Packaging

CHT Greases are available in a variety packaging including bulk containers. Please contact our sales department for more information.

Revision Date 29 Apr 2021  
Revision No 1  
Download Date 03 May 2024

### Property

#### Product

Bleed %		0.1 %
Color		Translucent to white
Density	BS ISO 2781	1.00 g/cm <sup>3</sup>
Max Storage Temperature		40 °C / 104 °F
Max Working Temp		200 °C / 392 °F
Min Working Temp		-50 °C / -58 °F
Penetration (150g Cone)		195 mm x 10
Rheology		Paste
Silicone Yes/No		Yes
Thermal Conductivity		0.2 W/mK
Weight Loss %		<0.5 %
Worked Penetration (150g Cone)		213 mm x 10

#### Electrical Properties

Dielectric Breakdown (kV/mm)		26 kV
Dielectric Constant	ASTM D-150	2.9
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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