# TECHNICAL DATA SHEET



# 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.

Property Product Bleed %	Test Method	Value 0.1 %
Color Density Max Storage Temperature Max Working Temp Min Working Temp Penetration (150g Cone) Rheology Silicone Yes/No Thermal Conductivity Weight Loss % Worked Penetration (150g Cone)	BS ISO 2781	Translucent to white 1.00 g/cm3 40 °C / 104 °F 200 °C / 392 °F -50 °C / -58 °F 195 mm x 10 Paste Yes 0.2 W/mK <0.5 % 213 mm x 10
Electrical Properties Dielectric Breakdown (kV/mm) Dielectric Constant Dielectric Strength (V/mil) Volume Resistivity (Ohms cm)	ASTM D-150 ASTM D-257	26 kV 2.9 495 V/mil 1E+15 ohms cm
<b>Storage</b> Shelf Life		24 mths

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

Health and Safety

# 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	17 May 2024

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