

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

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.

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Property

Product

Bleed %

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)

Electrical Properties

Dielectric Breakdown
(kV/mm)

Dielectric Constant

Dielectric Strength (V/mil)

Volume Resistivity (Ohms
cm)

Storage

Shelf Life

Test Method

BS ISO 2781

ASTM D-150

ASTM D-257

Value

0.1 %

**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

26 kV

2.9

495 V/mil

1E+15 ohms cm

24 mths

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The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.

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