

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.

Revision Date 29 Apr 2021
Revision No 1
Download Date 17 May 2024

Property

Product

Bleed %		0.1 %
Color		Translucent to white
Density	BS ISO 2781	1.00 g/cm ³
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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