TECHNICAL DATA SHEET



Value

213 mm x 10

1E+15 ohms cm

SGM496 Pink Silicone Grease

Cone)

Property

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 Tinted pink for visual inspection aid
- 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.

Product		
Bleed %		0.1 %
Color		Pink
Density	BS ISO 2781	1.00 g/cm3
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		213 mm x 10

Test Method

Electrical Properties

Dielectric Breakdown 26 kV (kV/mm) Dielectric Constant ASTM D-150 2.9 Dielectric Strength (V/mil) 495 V/mil Volume Resistivity (Ohms

ASTM D-257

Storage

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

cm)

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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