

SGM494 Silicone Grease

Introduction

This is a water-repellent, work-stable, non-melting, tasteless and odourless silicone grease for electrical insulation purposes and general lubrication of plastic materials.

Key Features

- Work stable after 24 hours at 200°C
- Non-melting
- Low bleed and weight loss
- WRAS approved

Use and Cure Information

Typical Applications

It is a very versatile grease that has been used successfully in many applications such as: -

- Sealing electrical systems against water ingress
- Prevention of corona discharge
- Protection of insulation against corona discharge
- Potting of small electronic components
- Lubrication of electric cables through conduits
- Screw threads lubrication to prevent sticking and corrosion
- Packing of mineral fibre glands to prevent sticking
- Laboratory stop-cock lubrication
- Vacuum sealing of ground glass joints

Effect on Materials

This silicone grease has little effect on metals and most plastics. It may, after prolonged contact with plasticised rubbers and plastics, have a slight effect due to plasticiser migration

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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Download Date : 07/11/2019

Property

At 23+/-2 °C

Appearance

Bleed %

Colour

Max Working Temp + °C

Min Working Temp - °C

Penetration (cone weight g)
mm/10

Rheology

SG

Silicone Yes/No

Water Potable

Weight Loss %

Worked Penetration (cone
weight g) mm/10

Storage

Max storage temperature °C

Shelf life

Uncured product

Cure Type

Electrical properties

Dielectric Breakdown Voltage
kV

Dielectric Constant @ 1kHz ASTM D-150

Dielectric Strength kV/mm ASTM D-149

Power Factor @1MHz

Volume Resistivity ohms cm ASTM D-257

Test Method

AFS_1540B

BS ISO 2781

ASTM D-150

ASTM D-149

ASTM D-257

Value

Translucent paste

<6 %

Translucent

200 °C

-50 °C

190-250

Paste

1

Yes

Yes

1.5 %

190-310

40 °C

24 mths

N/A

>20 kV

2.9

19.5 kV/mm

0.0015

1.0E+15 ohms cm

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