## Information About Molykote® G-5008 Dielectric Grease

## Type

Silicone base oil containing specially formulated solid lubricants

## **Physical Form**

Light consistency grease

#### **Special Properties**

Wide service temperature range; compatible with rubber and ceramics; excellent dielectric properties

## **Primary Uses**

Spark plug boots and electrical connectors

#### DESCRIPTION

Molykote® G-5008 Dielectric Grease is a silicone grease containing a specially formulated base oil and solid lubricants. It has an NLGI 2-3 grade. It has excellent dielectric properties that are maintained when the material is exposed to temperatures above 200°C (392°F) for extended periods. It also inhibits bonding of rubber to ceramic.

## TYPICAL APPLICATIONS

*Molykote* G-5008 Dielectric Grease is designed primarily for rubber/ceramic and rubber/rubber applications such as automotive spark plug boots and electrical connectors.

#### **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

#### **HOW TO USE**

Molykote G-5008 Dielectric Grease has been designed for use in automated dispensing equipment in which precise metering is required. This product can also be applied using a brush or a grease gun.

## SHIPPING LIMITATIONS

None.

#### STORAGE AND SHELF LIFE

Molykote G-5008 Dielectric Grease can be stored for 60 months from date of manufacture at ambient temperatures in its original, closed container.

## **PACKAGING**

*Molykote* G-5008 Dielectric Grease is available in 18-kg (40-lb) pails and 181.4-kg (400-lb) drums.

#### TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Color	Yellow-green
Penetration, unworked, mm/10, average	270
Apparent Viscosity, cSt	
Bleed, 24 hours at 200°C (392°F), maximum percent	4.0
Evaporation, 24 hours at 200°C (392°F), maximum percent	2.0
Dielectric Strength <sup>1</sup> , 6 weeks at 204°C (400°F), kV peak (rms)	

<sup>1</sup>As per ASTM D 71 modified per ESM-486, all failures occurred at cable seal.

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