

# Information About *Molykote*<sup>®</sup> 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*<sup>®</sup> 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.

## TYPICAL PROPERTIES

**These values are not intended for use in preparing specifications.**

|                                                                                 |              |
|---------------------------------------------------------------------------------|--------------|
| Color .....                                                                     | Yellow-green |
| Penetration, unworked, mm/10, average.....                                      | 270          |
| Apparent Viscosity, cSt.....                                                    | 52,000       |
| 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)..... | 42 (30)      |

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

**Specification Writers: Please obtain a copy of the Dow Corning Sales Specification for this product and use it as a basis for your specifications. It may be obtained from any Dow Corning Sales Office, or from Dow Corning Customer Service in Midland, MI. Call (517) 496-6000.**

## 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.

**SAFE HANDLING INFORMATION**  
PRODUCT SAFETY INFORMATION  
REQUIRED FOR SAFE USE IS NOT  
INCLUDED IN THIS DOCUMENT.  
BEFORE HANDLING, READ PROD-  
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