

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.

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 ¹ , 6 weeks at 204°C (400°F), kV peak (rms).....	42 (30)

¹As 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-
UCT AND MATERIAL SAFETY DATA
SHEETS AND CONTAINER LABELS
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THE MATERIAL SAFETY DATA
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