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	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)

[1]As per ASTM D 71 modified per ESM-486, all failures occurred at cable seal.

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