

# Specialty Lubricants

## MOLYKOTE® 33M Grease

**This is a grease to be used under a wide range of temperature conditions for light-load applications where there is metal-to-metal or metal-to-plastic friction at low to high speeds.**

### FEATURES

- Superior oxidation resistance
- Wide service temperature range (-73°C to 180°C)
- Superior low-temperature characteristics
- Compatible with most plastics
- Water resistant

### COMPOSITION

- Silicone oil
- Lithium soap

### APPLICATIONS

- Ideal for use in roller and conveyer equipment, control cables, electric motors, photographic equipment, optical equipment, measurement equipment etc. Is also used in refrigerators or freezer equipment.

### TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Standard*	Parameter	Unit	Value
	Appearance		Pink
	Base oil viscosity at 25°C	mm <sup>2</sup> /s	100
JIS K 2220	Penetration (worked 60 times)	mm/10	260 to 300
	NLGI class		2
	Service temperature range	°C	-73 to 180
	Density	g/cm <sup>3</sup>	1.0
JIS K 2220	Drop point	°C	220
MIL S 8660	Bleed (150°C/24 hours)	%	2.0
MIL S 8660	Evaporation (150°C/24 hours)	%	2.0
JIS K 2220	Oxidation stability (99°C/500 hours)	MPa	0.01
JIS K 2220	Water washout (38°C/1 hour)	%	0.5
ASTM D 2596	Four ball weld load (1500rpm/1minute)	N	1500
	Maximum Dn value	mm/minute	250,000

\*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

MIL: Military Specification and Standards.

### HOW TO USE

Clean points of application. As is usual with lubricating greases, apply or fill by means of a brush, spatula, or automatic lubrication device.

### HANDLING PRECAUTIONS

This product may irritate the skin or eyes. Wear safety equipment as necessary when handling this product. In the event of contact with skin or eyes, immediately rinse thoroughly with water and seek medical care if necessary. Wash hands thoroughly after handling.

## **USABLE LIFE AND STORAGE**

When stored, unopened in a cool, dark place this product, has a usable life of 36 months from the date of production.

## **PACKAGING**

This product is available in 1 and 5kg cans and 18kg pails.

## **CAUTION**

1. Data included in this document are average values, not specification values. Any applications for this product given in this document are merely examples. Perform thorough evaluations to confirm functionality, effectiveness, and safety before use.
2. No guarantees are made that the applications described in this document are free from infringements of any patent.
3. This product was developed for industrial use, and is not intended for use in medical equipment, pharmaceutical products, etc.
4. Be sure to read the material safety data sheet (MSDS) and container label for this product before use.
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