

Product Information

High Performance Lubricants

MOLYKOTE® 33L 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

- Good 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 | | Off White |
| | Base oil viscosity at 25°C | mm ² /s | 100 |
| JIS K 2220 | Penetration (worked 60 times) | mm/10 | 300 to 340 |
| | NLGI class | | 1 |
| | Service temperature range | °C | -73 to 180 |
| | Density | g/cm ³ | 1.0 |
| JIS K 2220 | Drop point | °C | 220 |
| MIL S 8660 | Bleed (150°C/24 hours) | % | 3.5 |
| MIL S 8660 | Evaporation (150°C/24 hours) | % | 2.0 |
| JIS K 2220 | Oxidation resistance (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 | 1400 |
| | 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 1kg cans

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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