

MOLYKOTE® 33L Grease

Grease for use 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.

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

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

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 kg cans.

Typical properties

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

| Standard ⁽¹⁾ | Test | Unit | Result |
|-------------------------|--|--------------------|------------|
| | 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 D2596 | Four-ball weld load (1,500 rpm/1 minute) | N | 1,400 |
| | Maximum Dn value | mm/minute | 250,000 |

⁽¹⁾JIS: Japanese Industrial Standard. ASTM: American Society for Testing and Materials. MIL: Military Specification and Standards.

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