

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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