

Specialty Lubricants

MOLYKOTE® 55M Grease

Silicone based lubricant for O-rings

FEATURES

- High oxidation resistance
- Wide service temperature range (-65°C to 175°C)
- Compatible with most plastics
- Good corrosion protection

COMPOSITION

- Silicone oil
- Ester
- Lithium soap

APPLICATIONS

- Dynamic lubrication between rubber and metal parts in pneumatic systems in aircraft, automotive and general industrial applications.

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 ² /s	100
JIS K 2220	Penetration (worked 60 times)	mm/10	300 to 340
	NLGI class		1
	Service temperature range	°C	-65 to 175
	Density	g/cm ³	1.0
JIS K 2220	Drop point	°C	220
Fed Std 791	Bleed (150°C/24 hours)	%	3.0
Fed Std 791	Evaporation (150°C/24 hours)	%	1.4
JIS K 2220	Oxidation resistance (99°C/500 hours)	MPa	0.01
JIS K 2220	Water washout (38°C/1 hour)	%	4.2
DIN 51 802	Emcor corrosion test		0 (No corrosion)

*JIS: Japanese Industrial Standard.

Fed Std: Federal Standard DIN: Deutsches Industrie Norm.

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.

Compatibility with plastics may vary depending on the type and grade of the plastic. Performs adequate compatibility testing in advance. This grease is not compatible with silicone rubber.

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 5kg 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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