

Specialty Lubricants

MOLYKOTE® 6169 Grease

Fully fluorinated grease provides extraordinary performance under extreme conditions

FEATURES

- Compatible with most plastics
- Excellent stability at high temperatures
- Superior resistance to chemicals and solvents
- Minimal deterioration due to oxidation, appropriate for long-term lubrication
- Low vapor pressure (base oil)

COMPOSITION

- Perfluoro polyether
- Fluorinated polymer

APPLICATIONS

- MOLYKOTE 6169 Grease is developed for use in valve seals, can be used in valves and other components from low temperatures to high temperatures, in corrosive, solvent, liquefied natural gasses, high vacuum, etc.
- Applicable for components such as pneumatic control valves requiring long-term lubrication even at room temperature.

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		White
JIS K 2220	Penetration (worked 60 times)	mm/10	230
	Service temperature range	°C	-60 to 250
	Density	g/cm ³	2.0
JIS K 2220	Drop point	°C	195
MIL-S-8660	Bleed (200°C 24 hours)	%	5.5
MIL-S-8660	Evaporation (200°C 24 hours)	%	0.1
MIL-S-8660	Evaporation (200°C 1000 hours)	%	1.3
ASTM D 2596	Four ball weld load (1500rpm/1minute)	N	3630
ASTM D 2266	Four ball wear scar (1200rpm, 392N, 1 hour)	mm	1.0
JIS K 2220	Low temperature torque test (-20°C)		
	Starting torque	Ncm	5.9
	Running torque	Ncm	2.0
JIS K 2220	Low temperature torque test (-40°C)		
	Starting torque	Ncm	27
	Running torque	Ncm	4.9
	Base oil vapor pressure 20°C	pa	4x10 ⁻¹⁰

*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

Although MOLYKOTE 6169 Grease is highly chemically stable, at temperatures in excess of 200°C the material will gradually decompose and release toxic gasses; be sure to have adequate ventilation if you expect the material to decompose. Do not smoke cigarettes that are contaminated with this product. Be sure to wash hands thoroughly after use.

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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