

Molykote[®] 6169 Grease

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

Fully fluorinated grease provides extraordinary performance under extreme conditions

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 office or your Global Dow Corning Connection before writing specifications on this product.

Standard*	Parameter	Unit	Value
	Appearance		White
JIS K 2220	Penetration (worked 60 times)		230
	Service temperature range	°C	-60 to 250
	Density	g/cm ³	2.0
JIS K 2220	Drop point	°C	None
SAE AS8660	Bleed (200°C 24 hours)	%	5.5
SAE AS8660	Evaporation (200°C 24 hours)	%	0.1
SAE AS8660	Evaporation (200°C 1000 hours)	%	1.3
	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	mN · m	59
	Running torque	mN · m	20
JIS K 2220	Low temperature torque test (-40°C)		
	Starting torque	mN · m	170
	Running torque	mN · m	49
	Base oil vapor pressure 20°C	pa	4x10 ⁻¹⁰

*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

SAE: Society of Automotive Engineers

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 INFORMATION

This product is available in 1kg cans

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.molykote.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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