

Product Information

High Performance Lubricants

MOLYKOTE® G-8010 Grease

Fully fluorinated grease provides extraordinary performance under extreme condition

FEATURES

- ◆ Wide service temperature (-65 to 250°C)
- ◆ Superior resistance to chemicals and solvent
- ◆ Compatibility with most rubbers and plastics
- ◆ Low vapor pressure (base oil)

COMPOSITION

- ◆ Pefluoropolyether oil
- ◆ Fluorinated polymer

APPLICATIONS

- ◆ Optical devices where the volatility from grease is undesirable
- ◆ Bearings are operated under harsh conditions such as low or high temperatures, corrosive, solvent, heavy load
- ◆ Plastics parts
- ◆ Automotive parts

TYPICAL PROPERTIES

Specifications 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*	Property	Unit	Value
	Appearance		White
	Service temperature range	°C	From -65 to 250
JIS K 2220	Penetration		280
	Density	g/cm ³	2.0
SAE AS 8669	Bleed (200°C/24hours)	%	8.0
SAE AS 8669	Evaporation (200°C/24hours)	%	0.2
ASTM D 2266	Four ball wear scar (1200rpm,392N,1hour)	mm	0.58
JIS K 2220	Low temperature torque(-20°C)		
	Starting torque	mN·m	32
	Running torque	mN·m	16
JIS K 2220	Low temperature torque(-40°C)		
	Starting torque	mN·m	52
	Running torque	mN·m	22

* JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

SAE: Society of Automotive Engineers.

HOW TO USE

Clean point of lubrication. As is usual with lubricating grease, apply or fill by means of brush, spatula, or automatic dispensing equipment.

HANDLING PRECAUTIONS

This product is chemically inert and non-toxic. However, decomposed gas at over 250°C is hazardous. Ventilation is required when decomposition is expected.

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored in the original unopened containers, this product has a usable life of 36 months from the date of production.

PACKAGING

This product is available in 2kg

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.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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