

# MOLYKOTE® G-8010 Grease

Fully fluorinated grease that provides extraordinary performance under extreme conditions

## Features

- Wide service-temperature range: -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 that are operated under harsh conditions, such as low or high temperatures, corrosive, solvent, heavy load. Plastic parts.  
Automotive parts.

## 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 nontoxic. 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 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 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 2 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 <sup>(1)</sup>	Test	Unit	Result
	Appearance		White
	Service temperature range	°C	-65 to 250
JIS K 2220	Penetration		280
	Density	g/cm <sup>3</sup>	2.0
SAE AS 8669	Bleed (200°C, 24 hours)	%	8.0
SAE AS 8669	Evaporation (200°C, 24 hours)	%	0.2
ASTM D2266	Four ball wear scar (1,200 rpm, 392 N, 1 hour)	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

<sup>(1)</sup>JIS: Japanese Industrial Standard. ASTM: American Society for Testing and Materials.

*DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.*  
© 2006-2019 DuPont.

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.