



MOLYKOTE® G-0010

Multipurpose Bearing Grease

Multipurpose polyurea-thickened bearing grease

Features

- Wide temperature range
- Extreme-pressure lubrication
- Excellent corrosion-preventive properties
- Shear-resistant
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

Composition

- Modern polyurea thickener
- Mineral base oil
- Corrosion inhibitor

Applications

Electrical motors, fan bearings, water pump bearings, and dryers in chemical and paper industries.

Description

MOLYKOTE® G-0010 Multipurpose Bearing Grease is a mineral-oil-based grease thickened by a di-urea system. MOLYKOTE® G-0010 Grease offers excellent low-temperature properties and load-carrying characteristics. MOLYKOTE® G-0010 Grease provides premium rust prevention and, due to its polyurea thickener, superior shear and oxidation stability.

How to use

Apply using conventional grease application methods (i.e., clean brush, grease gun and manual or automated dispensing equipment).

Handling precautions

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.

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	Test	Unit	Result
	Color		Green
	Base oil type		Mineral oil
	Thickener type		Polyurea
Consistency, viscosity			
ASTM D217	Consistency	NLGI Class	2
	Worked penetration	mm/10	265-295
ASTM D445	Base oil viscosity @ 40°C	mm ² /s	125
Temperature			
	Service temperature range (est.)	°C	-30 to +170
		°F	-20 to +340
ASTM D2265	Dropping point	°C (°F)	> 260 (> 525)
Oil separation/evaporation			
FTMS 791C-321.2	Oil separation (24 hrs/ 100°C)	mass-%	2.3
	Evaporation loss (24 hrs/ 100°C)	mass-%	0.1
Load-carrying capacity, wear protection, speed			
ASTM D2596	Four ball tester weld load	kg	315
ASTM D2266	Wear scar under (40 kg; 75°C; 1 hr)	mm	0.60
	Dn value (D _R x rpm; estimated)	M	400
ASTM D1743	Corrosion prevention		1, 1, 1 Pass

⁽¹⁾ASTM: American Society for Testing and Materials. FTMS: Federal Test Methods.

Usable life and storage

When stored between 0 and 40°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

Packaging

This product is available in different standard container sizes as shown on [molykote.com](https://www.molykote.com). Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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