

MOLYKOTE® G-3000 Grease

High-performance grease based on a synthetic oil and a lithium complex soap thickener with very good shear and centrifugal stability under high temperatures and a low coefficient of friction

Features

- High shear stability
- High centrifugal stability
- High-temperature stability; dropping point > 250°C
- Low friction factor for steel/steel material pairings under medium loads

Benefit

- Longer service life

Composition

- Lithium complex thickener
- Synthetic oil
- Oxidation inhibitors

Applications

Dual mass flywheels.

Description

MOLYKOTE® G-3000 Grease is a high-performance grease based on a lithium complex thickener and a synthetic base oil including specific additives for the prevention of oxidation. This grease is designed for DMFWs (dual mass flywheels) at a service temperature range between -40 and +200°C, with a special aptitude on shear and centrifugal stability as well as protection against oxidation.

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.

Usable life and storage

When stored at 23°C in the original unopened containers, MOLYKOTE® G-3000 Grease has a usable life of 60 months from the date of production.

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 ⁽¹⁾	Test	Unit	Result
	Color		Beige
Consistency, density, viscosity			
DIN 51 818	NLGI consistency class		approx. 3
ISO 2137	Unworked penetration range	mm/10	215-230
ISO 2137	Unworked penetration	mm/10	223
ISO 2137	Worked penetration, 100,000 strokes	mm/10	253
	Difference to unworked penetration	mm/10	30
ISO 2811	Density at 20°C	g/ml	1.0
DIN 51 562	Base oil viscosity at 40°	mm ² /s	~400
Temperature			
	Service temperature range	°C	-40 to +180, short time 220
ASTM D566	Dropping point	°C	300
DIN 51805	Kesternich method: flow pressure -20°C	mbar	675
Loading capacity, wear and corrosion protection, service life			
	Four ball tester		
DIN 51 350 T.4	Weld load	N	2,200
DIN 51 350 T.5	Wear scar under 400 N load	mm	0.7
DIN 51802	SKF-Emcor method, degree of corrosion		0/0
Oil separation, evaporation, oxidation stability			
FDS 791-32/2	Oil bleeding 24 h/150°C	%	approx. 0
FDS 791-32/2	Oil evaporation 24 h/150°C	%	0.6

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

Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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