MOLYKOTE® Multilub High Performance Grease

High-performance grease for metal/metal combinations involving slow to fast movements and medium to high loadings

Features

- Good load-carrying capacity
- Suitable for long-term lubrication by virtue of low oil evaporation
- Good water washout resistance
- Good corrosion protection (degree of corrosion 0-1 in the SKF-Emcor test)
- Good oxidation resistance
- Reduction of wear and scoring
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

Composition

- Mineral oil
- Lithium soap
- EP additive
- Corrosion inhibitors

Applications

Lubrication contacts with light to medium loadings and low to high speeds, even in the presence of moisture and spray. Used on roller bearings, plain bearings, sliding guides, roller guides, ball-and-socket joints, splined shafts and threaded spindles. Used for chassis lubrication on cranes, forklift trucks and lifting apparatuses.

How to use

Clean points of contact. Apply in same way as lubricating grease, using brush, spatula, grease gun or automatic lubricating device. Suitable for delivery by central lubricating system.

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[1]	Test	Unit	Result
	Color		Yellowish beige
Consistency, density, viscosity			
DIN 51 818	NLGI consistency class		2
ISO 2137	Worked penetration	mm/10	265-295
ISO 2811	Density at 20°C	g/ml	0.87
DIN 51 562	Base oil viscosity at 40°C	mm^2/s	114
Temperature			
	Service temperature	°C	-25 to +120
Load-carrying capacity, wear protection, service life			
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	2,200
DIN 51 350 pt.5	Wear scar under 800 N load	mm	0.8
Speed			
	DN value[2]	mm/min	450,000
Corrosion protection			
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		1

[1] ISO: International Standardization Organization. DIN: Deutsche Industrie Norm.

[2] DN values are calculated approximations and will vary widely with temperature, load and bearing type.

Usable life and storage

When stored at or below 20°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**. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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