MOLYKOTE® 44 Medium High Temperature Grease

Grease that can be used in a broad range of temperatures and, in particular, can be used on high-temperature bearings

Features

- Low evaporation
- Superior oxidation resistance
- Broad range of service temperatures
- Superior low-temperature characteristics
- Compatible with most plastics
- Water-resistant

Composition

- Silicone oil
- Lithium soap

Applications

Ideally suited for use on bearings in oven fans, textile dryers, conveyors, kiln preheaters, etc. Also for use on clutch release bearings for automobiles, plastic parts, and so forth.

How to use

Clean points of application. As is usual with lubricating greases, apply or fill by means of a brush, spatula, or automatic lubrication device.

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, unopened, in a cool, dark place, this product has a usable life of 60 months from the date of production.

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.

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
	Appearance		White to off-white
	Kinematic base oil viscosity at 25°C	mm^2/s	125
CTM0190	Penetration (worked 60 times)	mm/10	240 to 280
	NLGI class		2 to 3
	Service temperature range	°C	-40 to 200
	Density	g/cm^3	1.0
IP 396/02	Drop point	°C	227
ASTM D6184	Bleed (150°C/24 hours)	%	2.5
ASTM D6184	Evaporation (150°C/24 hours)	%	2.0
DIN 51808	Oxidative stability (99°C/100 hours)	Mbar (MPa)	=<100 (=<0.01)
DIN 51807, part 2	Water washout (38°C)	%	1.0
	Maximum Dn value	mm/minute	300,000

(1)DIN: Deutsche Industrie Norm. ASTM: American Society for Testing and Materials. IP: Energy Institute. CTM: Corporate Test Method.

Limitations

Do not use on painted surfaces.

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