

Specialty Lubricants

MOLYKOTE® BR2 Plus Grease

Premium lithium soap grease including solid lubricants with excellent lubricating capabilities for metal-on-metal friction under heavy loads at slow to fast speeds

FEATURES

- Superior load carrying capability
- Extended time possible between applications
- Good oxidation resistance
- Can provide lubrication under conditions where it is difficult to create oil film
- Reduces wear
- Superior water resistance
- Superior corrosion resistance
- Prevents fretting corrosion

COMPOSITION

- Mineral oil
- Lithium soap
- Solid lubricants
- EP additives
- Corrosion inhibitor

APPLICATIONS

- Ideally suited for roller bearings, slide bearings, guides, roller guides, ball joints, splines, small low-speed gears, and as an automotive chassis grease.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Standard*	Parameter	Unit	Value
	Appearance		Black
JIS K 2220	Penetration (worked 60 times)	mm/10	265 to 295
	NLGI class		2
JIS K 2220	Drop point	°C	185
	Service temperature range ¹	°C	-30 to 130
JIS K 2220	Bleed (100°C 24 hours)	%	2.0
JIS K 2220	Evaporation (99°C 22 hours)	%	0.2
JIS K 2220	Oxidation resistance (99°C 100 hours)	MPa	0.03
JIS K 2220	Water washout (38°C/1 hour)	%	1.0
	Shell four ball test OK load	N	3150
	Wear scar (1 hour, 800N)	mm	1.2
DIN 51821-02-A	FAG bearing test, type FE9 (6000rpm, 130°C, 4500N)	hours	40
	DN value	mm/min	450,000
	Corrosion resistance test		
ASTM D1743	Humidity corrosion		1 (None)
	SKF Emcor test		0 (None)

1. Up to 150°C for short periods of time.

*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

DIN:Deutsches Industrie Norm.

HOW TO USE

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

Can also be used in a centralized lubrication system.

HANDLING PRECAUTIONS

This product may irritate the skin or eyes. Wear safety equipment as necessary when handling this product. In the event of contact with skin or eyes, immediately rinse thoroughly with water and seek medical care if necessary. Wash hands thoroughly after handling.

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 1kg cans (10 cans/case) and 16kg pails.

CAUTION

1. Data included in this document are average values, not specification values. Any applications for this product given in this document are merely examples. Perform thorough evaluations to confirm functionality, effectiveness, and safety before use.
2. No guarantees are made that the applications described in this document are free from infringements of any patent.
3. This product was developed for industrial use, and is not intended for use in medical equipment, pharmaceutical products, etc.
4. Be sure to read the material safety data sheet (MSDS) and container label for this product before use.
5. Contact Dow Corning Asia, Ltd., before reproducing any data from this document.

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