

## MOLYKOTE® BR 2 PLUS

### HIGH PERFORMANCE GREASE

#### FEATURES

- ◆ High load carrying capacity
- ◆ Suitable for long-term lubrication
- ◆ Good oxidation resistance
- ◆ Emergency running properties, i.e. in the case of mixed friction providing of wear protection by solid lubricants and EP additives
- ◆ Good protection against scaring (false Brinelling)
- ◆ Good water washout resistance
- ◆ Good corrosion protection
- ◆ Good protection against fretting corrosion

#### COMPOSITION

- ◆ Mineral oil
- ◆ Lithium soap
- ◆ Solid lubricants
- ◆ EP additive
- ◆ Corrosion inhibitor

**High performance grease with solid lubricants for metal/metal combinations involving slow to fast movements, particularly with medium to high loads**

#### APPLICATION

- ◆ Used successfully on roller bearings, plain bearings, sliding guides, roller guides, ball-and-socket joints, splined shafts and threaded spindles.

#### TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard	Test	Unit	Result
	Colour		Black
	<b>Consistency, density, viscosity</b>		
DIN 51 818	NLGI consistency class		2
ISO 2137	Worked penetration	mm/10	265-295
ISO 2811	Density at 20°C	g/ml	0.89
DIN 51 562	Base oil viscosity at 40°C <sup>1</sup>	mm <sup>2</sup> /s	114
	<b>Temperature</b>		
	Service temperature	°C	-30 to +130, +150 for short periods
ISO 2176	Drop point	°C	>=175
ASTM-D-1478-80	Low temperature torque test at -20°C		
	Initial break-away torque	Nm	151
	Torque after 20 minutes running time	Nm	59
	<b>Load-carrying capacity, wear protection, service life</b>		
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	3600
DIN 51 350 pt.5	Wear scar under 800N load	mm	0.8
	Almen-Wieland machine		
	OK load	N	15,500
	Frictional force with OK load	N	3150
DIN 51821-02-A	FAG rolling element bearing tester equipment, FE 9, 4500/6000-130, F <sub>50</sub>	h	40
	<b>Speed</b>		
	DN value <sup>2</sup>	mm/min	450,000
	<b>Resistance</b>		
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C	bar	0.1
	<b>Corrosion protection</b>		
DIN 51 802	SKF-Emcor method		0

## TYPICAL PROPERTIES (continued)

Standard	Test	Unit	Result
	<b>Oil separation - evaporation</b>		
DIN 51 817	Oil separation, 7 days, 40°C	%	3.8

1. Calculated viscosity value of base oil mixture.
2. DN values are calculated approximations and will vary widely with temperature, load and bearing type.

### HOW TO USE

#### How to apply

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

### HANDLING PRECAUTIONS

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

### 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.

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

### PACKAGING INFORMATION

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

### LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### HEALTH AND ENVIRONMENTAL INFORMATION

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support

customers for their product safety needs. For further information, you can contact this group at:

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