

Product Information

High Performance Lubricants

MOLYKOTE® BR-1S Grease

FEATURES

- Excellent load-carrying capacity
- Excellent corrosion resistance
- Excellent oxidation resistance

COMPOSITION

- Molybdenum disulfide
- Lithium soap
- Specialty additive

A lithium soap-based general purpose grease with excellent load-carrying capacity and corrosion resistance containing high quality molybdenum disulfide micro powder and formulated with a special additive to improve high temperature oxidation resistance

APPLICATIONS

- Transportation vehicles: extension of maintenance interval of ships and automobiles.
- Steel industries, construction, industrial equipment: moving parts under shocks, vibration or heavy loads, bearing lubrication and equipment protection.
- Vending machines: maintenance cost reduction due to of long-term lubrication capability.
- Maintenance: more than double the maintenance interval time when used on chassis assemblies, sleeve bearings and cams.

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.

ASTM*	Property	Unit	Value
	Appearance		Grayish black
JIS K 2220	Penetration, worked 60 strokes		325
	NLGI class		1
	Service temperature	°C	-30 to 130
	Density	g/cm ³	0.91
JIS K 2220	Dropping point	°C	195
JIS K 2220	Bleed 100°C/24 hours	%	8.0
JIS K 2220	Evaporation 99°C/22 hours	%	0.5
ASTM D2266	Four ball wear scar (1200rpm, 780N, 1 hour)	mm	0.5
JIS K 2220	Copper corrosion 100°C/24 hours		1a
JIS K 2220	Water washed water resistance 38°C 1 hour	%	2.5

* JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

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.

HANDLING PRECAUTIONS

This product may irritate 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.

In the event of contact with skin, wash with soap water. Please avoid contact for a long duration.

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at www.molykote.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored in a cool and dark place in the original unopened containers, this product has a usable life of 36 months from the date of production.

PACKAGING

This product is available in 16kg pails.

LIMITATIONS

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

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customers' tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Website Guide

For more information on our company and how to contact us, visit our website, www.molykote.com

We help you invent the future.™