

Specialty Lubricants

MOLYKOTE® Longterm W 2 High Performance Grease

FEATURES

- Good load-carrying capacity
- Suitable for long-term lubrication since it has no tendency to oxidize
- Wear protection through solid lubricants
- Good adhesion strength due to incorporated adhesion improver
- Good corrosion protection (corrosion step 0-1 in the SKF-Emcor test)
- Prevents the formation of frictional corrosion

COMPOSITION

- Mineral oil
- Lithium soap
- Solid lubricants
- Adhesion improver

White lubricating grease for metal/metal combinations with slow to fast movements and medium loads

APPLICATION

- Used successfully for bearings in machinery used in the food and pharmaceutical industries, in textile and paper making machines, domestic appliances and mechanical precision instruments.

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	Test	Unit	Result
	Color		White
	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	0.9
DIN 51 562	Base oil viscosity at 40°C	mm ² /s	125
	Temperature		
	Service temperature	°C	-30 to 110 +130 for short periods
ISO 2176	Drop point	°C	>=180
ASTM-D-1478-80	Low temperature torque test at -20°C		
	Initial break-away torque	Nm	125x10 ^{a3}
	Torque after 20 minutes running time	Nm	44x10 ^{a3}
	Load-carrying capacity, wear protection, service life		
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	2400
DIN 51 350 pt.5	Wear scar under 800N load	mm	1.4
DIN 51821-02-A	FAG roller element bearing tester FE 9, 1500/6000-110, F _z	h	155
	Speed		
	DN value ¹	mm/min	450000
	Corrosion protection		
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		0-1
	Oil separation - evaporation		
	Oil bleeding, 24h, 100°C	%	3.3
	Oil evaporation, 24h, 100°C	%	0.5

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

HOW TO USE

How to apply

Clean the contact areas. Apply with brush, spatula, grease gun or automatic lubricating device. Can be used in central lubrication systems.

HANDLING PRECAUTIONS

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 SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

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. 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

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

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 customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. 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. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.