

MOLYKOTE® LONGTERM W 2

HIGH PERFORMANCE GREASE

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

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

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

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		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 ⁻³
	Torque after 20 minutes running time	Nm	44x10 ⁻³
	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 ₅₀	h	155
	Speed		
	DN value ¹	mm/min	450000
	Corrosion protection		
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		0-1

TYPICAL PROPERTIES (continued)

Standard	Test	Unit	Result
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

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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