

Specialty Lubricants

MOLYKOTE® Longterm 00 Fluid grease

FEATURES

- Extremely high load-bearing capacity
- Resistant to galling through mixed friction. Wear protection due to solid lubricants and extreme pressure (EP) additives
- Extremely adhesive due to incorporated adhesion improver
- Good protection against corrosion
- Contains no lead or nickel

COMPOSITION

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

Fluid grease for the lubrication of highly stressed transmissions with metal gears

APPLICATIONS

- Closed gears that are subjected to high stresses, frictional corrosion and moisture.
- Used successfully for highly stressed gears that are subjected to high stresses, frictional corrosion and moisture.

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		Black
	Consistency, density, viscosity		
DIN 51 818	Consistency class, NLGI ¹		00
ISO 2137	Worked penetration	mm/10	400-430
ISO 2811	Density at 20°C (68°F)	g/ml	0.93
DIN 51 562	Base oil viscosity at 40°C (104°F) ²	mm ² /s	300
	Temperature		
	Service temperature	°C	-40 to +110
		°F	-40 to +230
ISO 2176	Drop point	°C	190
		°F	374
ASTM-D147880	Low temperature torque test at -30°C (-22°F)		
	Initial break-away torque	Nm	1120x10 ⁻³
	Torque after 20 minutes running time	Nm	220x10 ⁻³
DIN 51 805	Kesternich method - flow pressure at -40°C (-40°F)	mbar	340
	Loading capacity, protection against wear, service life		
	Four-ball tester		
DIN 51 350 T.4	Weld load	N	3400
DIN 51 350 T.5	Wear scar under 800N load	mm	0.9
	Almen-Wieland machine		
	OK load	N	12000
	Resistance		
DIN 51 807 T.1	Water resistance, static evaluation step		1-90
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C (210°F)	bar	0.3

TYPICAL PROPERTIES (continued)

Standard*	Test	Unit	Result
	Corrosion protection		
DIN 51 802	SKF-Emcor method		
	Degree of corrosion, sea water		1

1. National Lubricating Grease Institute.

2. Calculated viscosity of base oil mixture.

* ASTM: American Society for Testing and Materials.

ISO: International Standardisation Organisation.

DIN: Deutsche Industrie Norm.

APPLICATION METHOD

Clean contact surfaces. Apply in the normal way using a brush, grease gun or automatic lubricating system. Can be used in centralised lubrication systems. Do not mix with other greases.

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 material safety data sheet is available on the Dow Corning website at www.dowcorning.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 at or below 20°C (68°F) 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 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 customer's 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.

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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.

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