

Specialty Lubricants

MOLYKOTE® P 40 Metal-free adhesive lubricating paste

FEATURES

- Excellent adhesion
- Good corrosion protection
- Good water resistance
- Good antifretting
- Assembly and continuous lubrication
- Metal-free
- Low water pollution class

Metal-free adhesive lubrication paste which can be used for all assembly and continuous lubricating jobs, particularly those exposed to corrosive environments such as splash water or humidity

APPLICATIONS

- Assembly and threaded connections, spline shafts, mounting of bearings.
- Continuous lubrication: for various parts in brake systems, in brake rods, guide bolts. Axles of commercial vehicles, cams and plain bearings.
Open Gears.
Marine applications.

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.

Test Method*	Parameter	Unit	Value
	Color		Dark green
	Consistency, viscosity		
ISO 2137	Unworked penetration	mm/10	310-350
DIN 51 562	Base oil viscosity at 40°C (104°F)	mm ² /s	900
	Temperature		
	Service temperature		
	- as paste:	°C	-40 to +230
		°F	-40 to +446
	- solid lubricants:	°C	-40 to +1200
		°F	-40 to +2192
	Deutsche Bahn AG test		
	- stirrability at -35°C (-31°F)		4
DIN 51 805	Kesternich method - flow pressure at -30°C (-22°F)	mbar	960
DIN 2176	Drop point	°C	None
		°F	None
	Load-carrying capacity, wear protection, service life		
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	3000
DIN 51 350 pt.5	Wear scar under 800N load	mm	0.94
	Fretting corrosion - Deyber tester		25x10 ⁶
	Coefficient of friction		
	Press-Fit test, $\mu =$		0.12
	Screw test - μ thread ¹		0.16
	Screw test - μ head ¹		0.08
SRV Optimol	Oscillating endurance test, $\mu =^2$		0.13

TYPICAL PROPERTIES (continued)

Test Method*	Parameter	Unit	Value
Corrosion protection			
DIN 51 802	SKF-Emcor method - degree of corrosion		0
	Salt spray test	h	500

1. Coefficient of friction in bolted connection, M12 x 1.75, material 8.8, blackened.

2. Load: 300N, frequency: 50Hz, amplitude: 0.5mm, 2h

* ISO: International Standardisation Organisation.

DIN: Deutsche Industrie Norm.

HOW TO USE

How to apply

The sliding surfaces should be cleaned. The paste should then be applied with a suitable brush, rag or grease gun. It should not be mixed with greases or oils.

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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