

MOLYKOTE® P74

SUPER ANTI-SEIZE

Solid lubricant paste used in the assembly and fitting of a wide range of components such as metal threaded connections

FEATURES

- ◆ Metal-free
- ◆ Good corrosion protection
- ◆ High load-carrying capacity
- ◆ Coefficient of friction is of the same order as for oiled bolts
- ◆ Low scattering of pre-tensioning force
- ◆ Prevention of stress cracking and brittleness
- ◆ Wide service temperature range
- ◆ Wear reduction

COMPOSITION

- ◆ Solid lubricants
- ◆ Synthetic oil
- ◆ Thickener
- ◆ Adhesion promoter

APPLICATIONS

- ◆ Suitable for a wide range of applications in the chemical, petrochemical, paper and automotive industry, and in engineering, wood and plastic processing.
- ◆ Used on bolted connections, sliding contact bearings, linear sliding guides, splined shafts, press-fit joints, exhaust bolts, spark plug threads, flanges and flange seals, door hinges, brake mechanisms and plate springs.

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	Units	Result
Physical properties			
	Colour		Greyish black
ISO 2137	Unworked penetration	mm/10	280-310
DIN 2811	Density at 20°C	g/ml	1.21
	Base oil viscosity at 40°C	mm ² /s	65
	Service temperature range	°C	-40 to +200 as a paste, to +1500 dry lubrication
ISO 2176	Drop point	°C	None
	Flow pressure at -40°C	mbar	Approx. 400
DIN 51 817	Oil separation, 7 days, 40°C	%	2.8
Corrosion protection			
ISO/R 1456	Salt spray test at 50µm thickness	h	120
Load-carrying capacity, wear protection, service life			
DIN 51 350 pt.4	Four-ball tester		
	Weld load	N	4800
DIN 51 350 pt.5	Four-ball tester		
	Wear scar at 800N load	mm	1.1
	SRV test, type Optimol ball/plane, load 300N endurance test, friction coefficient		0.10
	Step load test, max. load	N	1200
	Wear scar	mm	0.74
Coefficient of friction			
	Pressfit	µ	0.14
	Screw test: Erichsen		
	Friction coefficient in bolt connection	µ thread	0.117
	M-12 alloy 1.7709	µ head	0.078
	Alloy Sopral P 40 aluminium	µ thread	0.13
		µ head	0.094

TYPICAL PROPERTIES (continued)

Standard*	Test	Units	Result
	Hot screw test		
	Alloy 1.7709, M-12 after 4 weeks at 540°C		
	Initial break-away torque at starting torque of 60Nm	Nm	115
	Sopral 60 aluminium M-12, break away torque after 21h at 300°C	Nm	12.5
	Resistance against water		
DIN 51807	Water resistance		
Part 1	at 40°C		0
	at 90°C		0 - 1

* ISO: International Standardisation Organisation
DIN: Deutsche Industrie Norm

SPECIFICATIONS

General Motors (Opel)
B0401264
Volkswagen
TL 52112
No. B7217

HOW TO USE

How to apply

If possible, clean the thread and used bolts with a wire brush. Spread an adequate amount of the paste on the contact areas in order to obtain a good seal. An excess is not harmful. In order not to alter the properties, the paste must not be mixed with greases or oils. Use spray can in order to apply the product more quickly and cleanly to larger areas or poorly accessible places. Can be applied via centralised lubrication system.

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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