

MOLYKOTE® PG 54 SILICONE GREASE

High performance grease for plastic/plastic, plastic/metal and rubber/metal combinations involving slow to medium-fast movements and light to medium loadings

FEATURES

- ◆ High oxidation resistance
- ◆ Low evaporation
- ◆ Wide service temperature range (-50°C to +180°C)
- ◆ Good low temperature performance
- ◆ Low coefficient of friction
- ◆ Good corrosion protection
- ◆ Excellent compatibility with most plastics and elastomers

COMPOSITION

- ◆ Silicone oil
- ◆ Lithium complex thickener
- ◆ Solid lubricants
- ◆ EP additive

APPLICATIONS

- ◆ Suitable for lubrication points with low to medium loadings and speeds.
- ◆ Used in silent block bushings, video and audio cassettes, water-pump packings, brake-caliper guide bolts, control cables and on sliding-contact surfaces of washing machines and dishwashers.

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 to pink
Consistency, density, viscosity			
DIN 51 818	NLGI consistency class		2-3
ISO 2137	Worked penetration	mm/10	245-275
ISO 2811	Density at 20°C	g/ml	1.02
DIN 51 562	Base oil viscosity at 25°C	mm ² /s	200
Temperature			
	Service temperature	°C	-50 to +180
ISO 2176	Drop point	°C	250
ASTM-D147880	Low temperature torque test at -50°C		
	Initial break-away torque	Nm	120x10 ⁻³
	Torque after 20 minutes running time	Nm	90x10 ⁻³
DIN 51 805	Kesternich method - flow pressure at -20°C	mbar	280
Load-carrying capacity, wear protection, service life			
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	2000
Coefficient of friction			
	Steel ball against plastic surface (POM) Ø ball = 12.7mm, load = 6.3N, V= 10mm/s, 24h, µ=		0.04
Resistance			
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C	bar	0.1
Corrosion protection			
DIN 51 802	SKF-Emcor method Degree of corrosion		0-1

HOW TO USE

How to apply

Clean points of contact. Apply in same way as lubricating greases, using brush, spatula, grease-gun or automatic lubricating device. Suitable for delivery by central lubricating system. In the event of long breaks in service, e.g. overnight, the pressure in the delivery equipment should be relieved. Not to be mixed with other greases.

Because of variation in quality of plastics and elastomers, compatibility tests should be carried out for swelling and shrinkage, stress-crack formation, and changes in strength and hardness.

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:

Dow Corning Europe
HERA Department
Rue Général de Gaulle, 62
B-1310 La Hulpe
Belgium
TEL:

Int +32 (0)2 655 2523

Int +32 (0)2 655 2304

FAX:

Int +32 (0)2 655 2013

The information contained herein is offered in good faith based on Dow Corning's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customer's tests to ensure that Dow Corning's products are fully satisfactory for your specific applications. Dow Corning's sole warranty is that the product will meet its current sales specifications. 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.

UNITED KINGDOM, NORDIC COUNTRIES, BENELUX, SOUTH AFRICA, EIRE & MIDDLE EAST
Dow Corning
UNITED KINGDOM
Tel: INT + 44 (0)1 676 52 80 00
Fax: INT + 44 (0)1 676 52 80 01

POLAND
Dow Corning Polska Sp. z o.o.
Tel: INT + 48 (0)22 645 14 45
Fax: INT + 48 (0)22 645 14 40

AUSTRIA, GERMANY, SWITZERLAND & EASTERN EUROPE
Dow Corning GmbH
GERMANY
Tel: INT + 49 (0)611 - 23 71
Fax: INT + 49 (0)611 - 237 610

SPAIN & PORTUGAL
Dow Corning Ibérica S.A.
SPAIN
Tel: INT + 34 (0)93 - 405 12 15
Fax: INT + 34 (0)93 - 405 38 94

ITALY & EASTERN MEDITERRANEAN COUNTRIES
Dow Corning S.p.A.
ITALY
Tel: INT + 39 039 - 60 711
Fax: INT + 39 039 - 68 99 660

FRANCE & NORTH AFRICA
Dow Corning France S.A.
FRANCE
Tel: INT + 33 (0)4 72 84 13 60
Fax: INT + 33 (0)4 72 84 13 79

**R
12/98**