

Specialty Lubricants

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 (-58°F to 356°F)
- Good low temperature performance
- Low coefficient of friction
- Very good corrosion protection
- Excellent compatibility with most plastics and rubbers

COMPOSITION

- Silicone base oil
- Lithium complex thickener
- EP additives
- Solid lubricants

APPLICATIONS

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

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		White
	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 (68°F)	g/ml	1.02
DIN 51 562	Base oil viscosity at 25°C (77°F)	mm ² /s	200
	Temperature		
	Service temperature	°C	-50 to +180
		°F	-58 to +356
ISO 2176	Dropping point	°C	>250
		°F	>482
ASTM D147880	Low temperature torque at -50°C (-58°F)		
	Initial break-away torque	Nm	<120x10 ⁻³
	Torque after 20 minutes running time	Nm	<90x10 ⁻³
DIN 51 805	Kesternich method - flow pressure at -50°C (-58°F)	mbar	<800
	Resistance, Corrosion		
DIN 51 808	Oxidation resistance, pressure drop after 100h, 99°C (210°F)	bar	0.1
DIN 51 802	SKF-Emcor corrosion protection		0-1
	Coefficient of friction		
	Steel ball against plastic surface (POM) Ø ball = 12.7mm, load = 6.3N, v = 10mm/s, running time 24h, µ=	µ	<0.04

* DIN: Deutsche Industrie Norm.

ISO: International Standardisation Organisation.

HOW TO USE

Clean points of contact. Apply in same way as lubricating greases, using brush, spatula or automatic lubrication device. Can be used in central lubrication systems.

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 various container sizes. Detailed information on container size 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

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