

MOLYKOTE® PG 21 Silicone Grease

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

FEATURES

- High oxidation resistance
- Wide service temperature range
-50°C/-58°F (190°C/374°F)
- High water resistance
- Excellent corrosion protection
- Compatible with many plastics and elastomers

COMPOSITION

- Silicone oil
- Lithium complex thickener

APPLICATIONS

- Suitable for friction contacts with low to medium loadings and speeds which have to remain serviceable through a wide temperature range.
- Used on control cables, water pumps, bearing bushes, gearwheels, slideways and other plastic parts in domestic appliances, toys and electrical appliances.

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
ISO 2137	Worked penetration	mm/10	265-295
ISO 2811	Density at 20°C (68°F)	g/ml	0.96
DIN 51 562	Base oil viscosity at 25°C (77°F)	mm ² /s	200
	Temperature		
	Service temperature	°C	-50 to +190
		°F	-58 to 374
ISO 2176	Drop point	°C	250
		°F	482
ASTM-D147880	Low temperature torque test at -20°C (-4°F)		
	Initial break-away torque	Nm	39x10 ⁻³
	Torque after 20 minutes running time	Nm	15x10 ⁻³
DIN 51 805	Kesternich method - flow pressure at -20°C (-4°F)	mbar	210
	Load-carrying capacity, wear protection, service life		
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	1600
	Resistance		
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C (210.2°F)	bar	0.1
	Corrosion protection		
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		0

TYPICAL PROPERTIES (continued)

Standard*	Test	Unit	Result
Oil separation			
DIN 51 817	Standard test	%	4.5

* ASTM: American Society for Testing and Materials.
All values after evaporation of the solvent.

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

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.

Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment.

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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