

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 to +190°C)
- ◆ 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

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		Pink
	Consistency, density, viscosity		
DIN 51 818	NLGI consistency class		2
ISO 2137	Worked penetration	mm/10	265-295
ISO 2811	Density at 20°C	g/ml	0.96
DIN 51 562	Base oil viscosity at 25°C	mm ² /s	200
	Temperature		
	Service temperature	°C	-50 to +190
ISO 2176	Drop point	°C	250
ASTM-D147880	Low temperature torque test at -20°C		
	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	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	bar	0.1
	Corrosion protection		
DIN 51 802	SKF-Emcor method Degree of corrosion		0
	Oil separation		
DIN 51 817	Standard test	%	4.5

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:

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