

MOLYKOTE® G 68

PLASTIC GEAR GREASE

FEATURES

- ◆ High water resistance
- ◆ Low coefficient of friction
- ◆ Good compatibility with most plastics

COMPOSITION

- ◆ Mineral oil
- ◆ Polyalphaolefine
- ◆ Lithium soap
- ◆ EP additives
- ◆ Solid lubricants

APPLICATION

- ◆ Used in gears of electrical toothbrushes and paper shredders.

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
	Colour		
	Penetration, density, viscosity		
DIN 51 818	NLGI consistency class		2-3
ISO 2137	Worked penetration	mm/10	250-280
ISO 2811	Density at 20°C	g/ml	0.85
DIN 51 562	Base oil viscosity at 40°C	mm ² /s	75
	Temperature		
	Service temperature	°C	-30 to +140
ISO 2176	Drop point	°C	190
ASTM D147880	Low temperature torque test at °C		
	Initial breakaway torque	Nm	
	Torque after 20 minutes running time	Nm	
	Load-carrying capacity, wear protection, service life		
	Four-ball tester (VKA)		
DIN 51 350 T.4	Weld load	N	1900
DIN 51 350 T.5	Wear scar under 600N load	mm	0.75
	FAG rolling element bearing tester FE 9		
	Almen-Wieland machine, OK load	N	18500
	Fretting corrosion - Deyber tester		
	Speed		
	DN value	mm/min	
	Resistance		
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C	bar	0.1
DIN 51 807 T.1	Water resistance, static 80°C		
	Corrosion protection		
DIN 51 802	Emcor method		0
DIN 51 802	Salt spray test		

TYPICAL PROPERTIES (continued)

Standard*	Test	Units	Result
	Coefficient of friction		
	Steel ball against plastic surface (POM) Ø ball = 12.7mm, load = 6.3N, v = 10mm/s, 24h	μ	0.014
	Oil separation		
DIN 51 817 Fed-Standard 791-32-2	Oil separation - standard test	%	3.4

* ASTM: American Society for Testing and Materials.
ISO: International Standardisation Organisation
DIN: Deutsche Industrie Norm

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 1kg cans, 5kg containers and 25kg pails.

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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