

MOLYKOTE® 33 MEDIUM SILICONE GREASE

Lubricating grease for metal/metal, metal/plastic combinations involving slow to medium-fast movements and light load, especially over a wide range of temperatures

FEATURES

- ◆ High oxidation resistance
- ◆ Wide service temperature range (-73°C to +180°C)
- ◆ Good low-temperature performance
- ◆ Compatible with many plastics
- ◆ Water resistant

COMPOSITION

- ◆ Silicone oil
- ◆ Lithium soap

APPLICATION

- ◆ Used successfully for rollers in mobile refrigerating equipment and refrigerating plants, control cables, electric clocks, motors, windscreen wiper motors, vehicle starter motors, photographic and optical equipment, surveying instruments.

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
	The dye changes colour on standing. This colour change does not affect the serviceability of the grease		
	Colour		Pink
	Consistency, density, viscosity		
DIN 51 818	NLGI consistency class		2
ISO 2137	Worked penetration	mm/10	260-300
ISO 2811	Density at 20°C	g/ml	1.0
DIN 51 562	Base oil viscosity at 25°C	mm ² /s	100
	Temperature		
	Service temperature	°C	-73 to +180
ISO 2176	Drop point	°C	220
ASTM-D-1478-80	Low temperature torque test at -73°C		
	Initial break-away torque	Nm	164x10 ⁻³
	Torque after 20 minutes running time	Nm	22x10 ⁻³
	Load-carrying capacity		
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	1500
	Oil separation		
DIN 51 817	Standard test, 7 days at 40°C	%	1.6

* 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. As is usual with lubricating greases, apply by means of a brush, spatula, or automatic lubrication device. Can be used in central lubrication systems.

Do not mix with other greases.

Because of the variation of plastic quality, 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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