

MOLYKOTE® 55 M SILICONE GREASE

Silicone based lubricant for O-rings

FEATURES

- ◆ High oxidation resistance
- ◆ Wide service temperature range (-65 to +175°C)
- ◆ Good corrosion protection
- ◆ Compatible with many plastics and elastomers

COMPOSITION

- ◆ Silicone oil
- ◆ Ester
- ◆ Lithium soap

APPLICATION

- ◆ Dynamic lubrication between rubber and metal parts in pneumatic systems in aircraft, automotive and general industrial applications.

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		approx. 2
ISO 2137	Worked penetration	mm/10	260-300
ISO 2811	Density at 20°C	g/ml	0.96
DIN 51 562	Base oil viscosity at 25°C	mm ² /s	100
	Temperature		
	Service temperature	°C	-65 to +175
ISO 2176	Drop point	°C	205
ASTM-D147880	Low temperature torque test at -65°C		
	Initial break-away torque	Nm	325x10 ⁻³
	Torque after 20 minutes running time	Nm	35x10 ⁻³
	Coefficient of friction		
	Steel ball against plastic surface (POM) Ø ball = 12.7mm load = 6.3N, v = 10mm/s, 24h, µ=		0.03
	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		
	Oil separation Standard test		%
DIN 51 817			0.9

HOW TO USE

How to apply

Clean bearing surfaces. Apply grease in the normal way using a brush, grease gun or automatic lubricating system. MOLYKOTE 55 M Silicone Grease can be used in centralised lubrication systems. Do not mix with

other greases. Owing to different plastics and elastomer grades, compatibility tests should be carried out for swelling and shrinkage, environmental stress cracking and modifications to 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 digit) 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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