



**Specialty
Lubricants**

**MOLYKOTE® 55 M
Silicone Grease**

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

Silicone based lubricant for O-rings

APPLICATION

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

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		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 ^{as}
	Torque after 20 minutes running time	Nm	35x10 ^{as}
	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		
DIN 51 817	Standard test	%	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

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 SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

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.

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 Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

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. 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. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.