

Product Information

High Performance Lubricants

DOW CORNING

MOLYKOTE® 55 O-Ring Lubricant

Silicone based lubricant for O-rings

FEATURES

- High oxidation resistance
- Wide service temperature range
-65°C to +175°C (-85°F to +347°F)
- Good corrosion protection
- Compatible with many plastics and elastomers

COMPOSITION

- Silicone oil
- Ester
- Lithium soap

APPLICATIONS

- 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 (68°F)	g/ml	0.96
DIN 51 562	Base oil viscosity at 25°C (77°F)	mm ² /s	100
	Temperature		
	Service temperature	°C	-65 to +175
		°F	-85 to +347
ISO 2176	Drop point	°C	205
		°F	401
ASTM-D147880	Low temperature torque test at -65°C (-85°F)		
	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 (210°F)	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 material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored at or below 20°C (68°F) 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 Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY

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