

Specialty Lubricants

MOLYKOTE® 41 Silicone Grease

Silicone grease for very high temperature applications at low speeds

FEATURES

- Non-melting
- High temperature stability
- High oxidation resistance
- Good resistance against water wash-out

COMPOSITION

- Silicone oil
- Carbon black
- Corrosion inhibitor

APPLICATIONS

- Suitable for rolling-element bearings in oven conveyors, kiln cars and pumps for molten salts, governor linkage of steam turbines.

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		Black
	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	1.1
DIN 51 562	Base oil viscosity at 25°C (77°F) ¹	mm ² /s	316
	Temperature		
	Service temperature	°C	-20 to +290
		°F	-4 to +554
ISO 2176	Drop point	°C/°F	None
ASTM-D147880	Low temperature torque test at -20°C (-4°F)		
	Initial break-away torque	Nm	136x10 ⁻³
	Torque after 20 minutes running time	Nm	80x10 ⁻³
	Load-carrying capacity		
	Four-ball tester		
DIN 51 350 pt.4	Weld load	N	1500
	Resistance		
DIN 51 807 pt.1	Water resistance, static evaluation step		1-90
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C (210°F)	bar	0.4
	Oil separation		
DIN 51 817	Standard test	%	2.6

1. Calculated viscosity value of base oil mixture.

* ASTM: American Society for Testing and Materials.

ISO: International Standardisation Organisation.

DIN: Deutsche Industrie Norm.

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 41 Grease can be used in centralised lubrication systems. Do not mix with other greases.

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

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. Suggestions of use shall not be taken as inducements to infringe any patent.

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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.

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