



Specialty
Lubricants

**MOLYKOTE® 1102
Grease**

FEATURES

- Highly resistant to water
- No drop point therefore no melting or leakage from lubrication points

COMPOSITION

- Mineral oil
- Inorganic thickener
- Solid lubricants

For gas taps and cocks with metal, glass and plastic combinations

APPLICATIONS

- Used successfully with natural gas stop-cocks of main and secondary lines in domestic equipment, instantaneous water heaters and similar equipment.
- Lubrication of smaller taps made of metal, glass or plastic.

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	Consistency class, NLGI ¹		ca. 3
ISO 2137	Worked penetration	mm/10	205-240
ISO 2811	Density at 20°C	g/ml	0.96
DIN 51 562	Base oil viscosity at 40°C	mm ² /s	900
DIN 51 562	Base oil viscosity at 100°C	mm ² /s	42
	Temperature		
	Service temperature range	°C	0 to +160 short term +220
ISO 2176	Drop point	°C	None
	Loading capacity, protection against wear		
	Four-ball tester		
DIN 51 350 T.4	Weld load	N	2100
DIN 51 350 pt.5	Wear scar under 800N load Almen-Wieland machine	mm	0.85
	OK load	N	14500
	Frictional force with OK load	N	1300
	Resistance		
DIN 51 807 T.1	Water resistance, static evaluation step		0-90
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C	bar	1.3
	Oil separation		
DIN 51 817	Standard test	%	0.0

1. National Lubricating Grease Institute.
* ISO: International Standardisation Organisation
DIN: Deutsche Industrie Norm

HOW TO USE

How to apply

Clean the contact areas. As is usual with lubricating greases, apply by

means of a brush, spatula, grease-gun or automatic lubrication device. Can be used in central lubrication systems. If plastics or elastomers are present, compatibility tests for swelling and

shrinkage, stress-crack formation, changes in strength and hardness, should be carried out because of the difference in their qualities.

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.