

MOLYKOTE® 1102 Grease

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

Features

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

Composition

- Mineral oil
- Inorganic thickener
- Solid lubricants

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.

How to use

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 IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND 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.

Packaging

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

Standard ⁽¹⁾	Test	Unit	Result
	Color		Black
Consistency, density, viscosity			
DIN 51 818	Consistency class, NLGI ⁽²⁾		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	2,100
DIN 51 350 pt.5	Wear scar under 800 N load	mm	0.85
	Almen-Wieland machine		
	OK load	N	14,500
	Frictional force with OK load	N	1,300
Resistance			
DIN 51 807 T.1	Water resistance, static evaluation step		0-90
DIN 51 808	Oxidation resistance, pressure drop 100 h, 99°C	bar	1.3
Oil separation			
DIN 51 817	Standard test	%	0.0

⁽¹⁾DIN: Deutsche Industrie Norm. ISO: International Standardization Organization.

⁽²⁾National Lubricating Grease Institute.

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