

# MOLYKOTE® 1122

## Chain and open gear grease

### FEATURES

- Emergency lubrication
- High pressure resistance
- High wear protection
- Extremely adhesive
- Resistance against water

### COMPOSITION

- Synthetic oil
- Solid lubricants
- Inorganic thickener
- Adhesion improver

### Synthetic grease with solid lubricants

### APPLICATIONS

- Used for initial lubrication of chains with hollow pins equipped with grease nipples. e.g. high tenter clamp chains in the textile industry and conveyor chains in food sterilizer units.
- Also used for gear drives and open gears, sliding bearings operating at low speeds and high temperatures, such as bearings in drying systems and calendaring machines used in various industrial processes.

### 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
	<b>Temperature</b>		
	Service temperature range	°C	10 to 160
	Unworked penetration		250-280
	<b>Load-carrying capacity, wear protection, service life</b>		
	Four-ball tester (VKA)		
DIN 51 350 pt.5	Wear scar under 600N load	mm	0.9
DIN 51 350 pt.4	Weld load	N	2600
	Almen Wieland machine OK load	N	18000
	<b>Density, viscosity</b>		
	Density at 20°C	g/ml	0.95
	Base oil viscosity at 40°C	mm <sup>2</sup> /s	1500

\* 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.

#### Chains with hollow pins

The hollow pins should be completely packed with grease. Relubricate through grease nipples using a grease gun. DOW CORNING 1122 Chain and Open Gear Grease is effective to 160°C under these conditions.

#### Gears

The tooth profiles of new gears should be treated with DOW CORNING® G-n Metal assembly paste or spray and run without load for a short time to generate a basic solid lubricating film. The gears should then be lubricated with DOW CORNING 1122 Chain and Open Gear Grease in accordance with the gear manufacturer's instructions.

## **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 MOLYKOTE 1122 Chain and Open Gear Grease 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.