

Molykote[®] 1122 Chain and Open Gear Grease

FEATURES & BENEFITS

- 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 office or your Global Dow Corning Connection before writing specifications on this product.

Test*	Property	Unit	Result
	Color		Black
	Temperature		
	Service temperature range	°C	10 to 160
	Unworked penetration		250-280
	Load-carrying capacity, wear protection, service life		
	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
	Density, viscosity		
	Density at 20°C	g/ml	0.95
	Base oil viscosity at 40°C	mm ² /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. Molykote[®] 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 Molykote[®] G-n Metal Assembly Paste and Spray and run without load for a short time to

generate a basic solid lubricating film. The gears should then be lubricated with Molykote 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 IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL 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

DOW CORNING WEB SITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

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 INFORMATION

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, 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 our 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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