

MOLYKOTE® 1122

CHAIN AND OPEN GEAR GREASE

Synthetic grease with solid lubricants

FEATURES

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

COMPOSITION

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

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 steriliser 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

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard*	Test	Units	Result
	Colour		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. 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 Data Sheets should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

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.

Dow Corning will guarantee the usable life of MOLYKOTE 1122 Chain and Open Gear Grease until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

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

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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