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MOLYKOTE® 1122 Chain and Open Gear Grease

Synthetic grease with solid lubricants

Features & benefits

- Emergency lubrication
- High pressure resistance
- High wear protection
- Extremely adhesive
- Resistance against water
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

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 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 calendering machines used in various industrial processes.

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.

If using the spray, MOLYKOTE® 1122 Chain Grease Spray should be applied in a sweeping motion to obtain a thin, uniform coating. Avoid over application.

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.

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
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 600 N load	mm	0.9
DIN 51 350 pt.4	Weld load	N	2,600
	Almen Wieland machine OK load	N	18,000
Density, viscosity			
	Density at 20°C	g/ml	0.95
	Base oil viscosity at 40°C	mm²/s	1,500

(1)DIN: Deutsche Industrie Norm.

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 SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

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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.

Specifically for aerosol packaging, this product has a usable life of 24 months from the date of production when stored between 5°C and 35°C in the original unopened container. Because it is an aerosol, punctures should be avoided, and containers should be kept away from heat, sparks and open flame.

Packaging

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

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