

Product Information

Specialty Lubricants

DOW CORNING

MOLYKOTE® S-1504

Adhesive Low Friction Chain Oil

FEATURES

- Wide service temperature range (0°C/32°F to +250°C/482°F)
- Excellent adhesion
- Longer lubrication intervals even at very high temperatures (up to +250°C/482°F)
- Very low coefficient of friction

COMPOSITION

- Mixture of synthetic oils
- CFC-free solvent
- Friction improver additives
- Corrosion inhibitors
- EP additives
- Oxidation inhibitors

Synthetic gel for lubricating metal chains even at very high temperatures (+250°C/482°F). Very low coefficient of friction

APPLICATIONS

- All kind of oil lubricated chains.
- Suitable and used for oil-lubricated chains in lacquering plants and drying installations.

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.

ASTM*	Parameter	Unit	Value*
	Color		Greenish, transparent
	Density, viscosity		
D-4052	Density at 15°C (59°F)	g/cm ³	0.86
D-445	Viscosity at 40°C (104°F)	mm ² /s	2.650-2.950
D-445	Viscosity at 100°C (212°F)	mm ² /s	180-220
	Temperature		
	Service temperature	°C	0 to +250
		°F	32 to +482
D-92	Flash point	°C	>250
		°F	>482
	Evaporation rate after 24 hours at 200°C (392°F)	%	<3.5
	Oxidation resistance after 4 hours at 200°C (392°F), 200ml O ₂ /minute, weight loss	%	<5
	Load-carrying capacity, wear protection, service life		
D-4172	FBM (1 hour/400N/1.200rpm) wear scar diameter	mm	<0.70
D-2783	FBM, weld load	N	2,500
D-5707	SRV coefficient of friction (200N, 1mm, 50Hz, 50°C/122°F)		0.04

* ASTM: American Society for Testing and Materials.
All values after evaporation of the solvent.

HOW TO USE

How to apply

MOLYKOTE S-1504 Oil is a dispersion of highly adhesive oil in a volatile solvent that penetrates into the slots of the chain. After the solvent evaporates, the gel remains in the lubricating points. All old lubricant should be cleaned off the chain with a solvent.

MOLYKOTE S-1504 Oil should be thinly applied to the dry chain with a brush. Let the solvent evaporate for approximately 30 minutes before reassembling or putting in operation the chain again. In the presence of dust any excess of product should be removed from the chain.

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 (68°F) 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 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.