

# Product Information

## High Performance Lubricants

DOW CORNING

# *Molykote*<sup>®</sup> Compressor and Vacuum Pump Oils

## **FEATURES**

- Lower overall maintenance costs
- Wider temperature range
- Longer oil-drain intervals
- Reduced lubricant consumption
- Extended equipment lifetime
- Reduced energy consumption
- Long life reduces lubricant usage, maintenance costs

## **COMPOSITION**

- Mineral oil (MO), polyalphaolefin (PAO), polyalkylene glycol polyolester (PAG/POE), diester (DE) and mineral oil/diester (MO/DE) – based lubricants

## **DESCRIPTION**

*Molykote*<sup>®</sup> compressor and vacuum pump fluids are formulated to meet or exceed the performance of all comparable OEM fill products. *Molykote* offers solutions for a variety of applications and equipment including rotary and reciprocating equipment, screw, vane, centrifugal and piston compressors and vacuum pumps and blowers. Dow Corning supports oil analysis to ensure that the right product is used for each application and that product and equipment life and performance is maximized.

## **HOW TO USE**

Follow equipment manufacturer's recommendations for maintenance procedures and oil specifications.

To ensure the longest possible life for lubricating fluids, sample analysis is recommended. When utilized on a regular basis, sample analysis can track normal aging and depletion of additives in lubricating fluids. Sample analysis can identify abnormal contamination that may be limiting lubricant life. Contact Dow Corning customer service for additional information.

## **LISTING AND SPECIFICATIONS**

*Molykote* lubricating fluids are kosher approved and conform to USDA/NSF listing requirements under H-1 or H-2 designations (see Typical Properties table). An H-1 designation indicates the lubricated part can have incidental food contact not to exceed 10 ppm. An H-2 designation indicates the lubricated part cannot have contact with food.

## **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 material safety data sheet is available on the Dow Corning website at [www.dowcorning.com](http://www.dowcorning.com). You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

## **USABLE LIFE AND STORAGE**

*Molykote* compressor and vacuum pump oils have a shelf life of 60 months from date of manufacture. Refer to product packaging for "Use By" date.

## **PACKAGING**

*Molykote* compressor and vacuum pump oils are available in 18.9- and 208.2-L (5- and 55-gal) containers, except for *Molykote*<sup>®</sup> L-0668 Ammonia Refrigeration Compressor Oil, which is available in 208.2- and 1249-L (55- and 330-gal) containers.

## **LIMITATIONS**

Do not mix *Molykote*<sup>®</sup> L-3232 or L-3246 Synthetic Compressor Oil with mineral oil or PAO-based lubricants. These PAG-based products are not compatible with mineral oil or PAO lubricants.

*Molykote*<sup>®</sup> L-0268, L-1568 and L-1510 are intended for use in compressors or vacuum pumps handling corrosive gas such as HCl or methyl chloride. Because these products are not formulated with antioxidants, the total amount of oxygen should be no more than 2% of the gas stream.

## SHIPPING LIMITATIONS

None.

## 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, [www.dowcorning.com](http://www.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 Dow Corning's 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.

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.

## DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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## 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.

Molykote® brand Product	NSF Status	ISO Grade	Viscosity @ 40°C, cSt	Viscosity @ 100°C, cSt	Viscosity @ 100°F, cSt	Viscosity @ 210°F, cSt	Viscosity Index	Flash Point, °F	Fire Point, °F	Pour Point, °C	Spec Grav @ 20°C, g/mL	Density @ 20°C, lb/gal	Base Oil	Additive Package
<b>Air Compressor Oil</b>														
L-1232FG Synthetic Compressor Oil	H-1	32	30.2	5.7	33	5.8	138	465	515	-60	0.826	6.87	PAO	R&O
L-1232 Synthetic Compressor Oil	H-2	32	30.1	5.7	32.9	5.8	144	470	520	-60	0.835	6.95	PAO	R&O
L-3232 Synthetic Compressor Oil	H-2	32	39.3	7.9	42.7	8.1	178	510	575	-48	0.974	8.11	PAG/POE	R&O
L-0246 Compressor Oil	H-2	46	46.6	6.8	51.7	7	100	440	450	-18	0.863	7.18	MO	R&O
L-1246FG Synthetic Compressor Oil	H-1	46	47	7.9	51.6	8.1	138	475	525	-42	0.829	6.9	PAO	R&O
L-1246 Synthetic Compressor Oil	H-2	46	44.2	7.7	48.5	7.8	138	515	535	-57	0.838	6.97	PAO	R&O
L-3246 Synthetic Compressor Oil	H-2	46	48.2	9.4	52.4	9.6	183	525	540	-45	0.974	8.11	PAG/POE	R&O
L-4646 Synthetic High Temp Compressor Oil	H-2	46	48.1	7.4	53.3	7.3	111	550	570	-42	0.947	7.88	POE	R&O
L-1268 Synthetic Compressor Oil	H-2	68	62	9	60	9	121	520	580	-54	0.840	6.99	PAO	R&O
L-1210 Synthetic Compressor Oil	H-2	100	98	14	108	14	145	520	550	-48	0.841	7	PAO	R&O
L-4610 Synthetic Blend Piston Compressor Oil	H-2	100	91.7	11.1	103.4	11.4	101	500	520	-15	0.880	7.52	MO/DE	R&O
L-4611 Synthetic Reciprocating Compressor Oil		100	98	9.5	112	9.8	62	515	555	-28	0.960	8.03	DE	R&O
<b>Vacuum Pump Oil</b>														
L-1668FG Synthetic Blend Vacuum Pump Oil	H-1	68	63.1	9	70	9.3	113	445	465	-18	0.856	7.12	PAO/MO	R&O
L-0610 Vacuum Pump Oil	H-2	100	106.9	12.4	117.7	12.7	100	500	525	-18	0.867	7.22	MO	R&O
<b>Ammonia Compressor Oil</b>														
L-0660 Para Synthetic Ammonia Refrigeration Compressor Oil	H-2	68	69	9	77	9	100	440	475	-39	0.87	7.24	MO	PPD
L-0668 Ammonia Refrigeration Compressor Oil	H-2	68	63	6.7	65.4	6.9	59	345	360	-30	0.897	7.46	MO	None
<b>Special Purpose Fluids</b>														
L-1605FG Synthetic Barrier Fluid	H-1	5	5.3	2	5.6	2	124	320	345	-60	0.8	6.66	PAO	None
L-4640 Synthetic Compressor Flush Fluid	H-2	32-46	38.6	5.7	42.4	5.8	65	445	520	-42	0.963	8.01	DE	R&O
L-0268 Process Gas Oil	-	68	68	9	76	9	102	420	470	-33	0.848	7.06	MO	C1
L-1510 Process Gas Oil	-	100	100	14	111	14	138	520	572	-30	0.838	6.97	PAO	C1
L-1568 Process Gas Oil	-	68	68	10	75	10	140	516	567	-30	0.834	6.94	PAO	C1

<sup>1</sup>Typical values; not for use in preparing specifications.

<sup>2</sup>The H-2 designation indicates the lubricated part cannot have contact with food.

<sup>3</sup>The H-1 designation indicates the lubricated part can have incidental food contact not to exceed 10 ppm.

<sup>4</sup>The oil date is also displayed in the *Molykote*® Hydraulic Oils Data Sheet.

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