

# Product Information

## High Performance Lubricants

**DOW CORNING**

# Molykote<sup>®</sup> Longterm 2/78 US Grease

## FEATURES

- High load carrying capacity
- Resistance to oxidation
- Good water wash-out performance
- Compatible with many elastomers

## COMPOSITION

- Mineral oil based grease
- Lithium soap thickened
- Solid lubricants, corrosion inhibitors and oxidation inhibitors

High performance mineral oil based grease for metal to metal combinations with slow to moderately rapid movements

## APPLICATIONS

- Suitable for metal to metal friction contacts with high stresses and low to moderate speeds.
- Designed for use in automobile and mobile equipment applications including tie-rod linkages, axle rod linkages and ball joints.

## 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.

Standard*	Test	Unit	Result
	Color		Black
	<b>Base Grease Properties</b>		
ASTM D217	Worked penetration (60 strokes)	mm/10	265-295
ASTM D70	Density	g/ml	0.93
ASTM D445	Base oil viscosity (@ 40C)	mm <sup>2</sup> /s	106
ASTM D1742	Oil separation (80°C/24h)	wt-%	<6
CTM 0033A	Bleed (100°C/24h)	wt-%	2
CTM 0033A	Evaporation (100°C/24h)	wt-%	0.4
	<b>Temperature</b>		
	Service Temperature	°C	-35 to +130
ASTM D2265	Drop point	°C	>178
ASTM D1478	Low temperature torque		
	Starting (-20°C)	Nm	220x10 <sup>-3</sup>
	Running (-20°C)	Nm	20x10 <sup>-3</sup>
	Starting (-30°C)	Nm	740x10 <sup>-3</sup>
	Running (-30°C)	Nm	60x10 <sup>-3</sup>
	<b>Load Capacity</b>		
ASTM 2566	Four ball wear (60kg)	mm	0.6
ASTM 2596	Four ball weld	kg	>260
	<b>Oxidation, Corrosion and Water Performance</b>		
ASTM D942	Oxidation resistance (99°C/100h)	bar	0.1
ASTM D1264	Water washout (79°C/1hr)	%	2
ASTM D6138	SKF – Emscor (DI water)		0-1

\*ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

DIN: Deutsche Industrie Norm

## HOW TO USE

Clean the contact areas. Apply Molykote® Longterm 2/78 US Grease by brush, grease gun, or automatic lubricating systems. The product can be used in centralized lubrication systems.

## HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container label for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning web site at [dowcorning.com](http://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

When stored at or below 20°C in its original and unopened containers, this product 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 by contacting your local Dow Corning sales representative or distributor or by calling your local Dow Corning Global Connection

## 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, [molykote.com](http://molykote.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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