

# MOLYKOTE® Longterm 2/78 US Grease

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

## Features

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

## Composition

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

## 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.

## 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 IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

## 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.

## 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 <sup>(1)</sup>	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 (@ 40°C)	mm <sup>2</sup> /s	106
ASTM D1742	Oil separation (80°C/24 h)	wt-%	<6
CTM 0033A	Bleed (100°C/24 h)	wt-%	2
CTM 0033A	Evaporation (100°C/24 h)	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 (60 kg)	mm	0.6
ASTM 2596	Four ball weld	kg	>260

<sup>(1)</sup>ASTM: American Society for Testing and Materials. CTM: Corporate Test Method; copies of CTMs are available on request. DIN: Deutsche Industrie Norm.

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## Typical properties (continued)

Standard <sup>(1)</sup>	Test	Unit	Result
<b>Oxidation, corrosion and water performance</b>			
ASTM D942	Oxidation resistance (99°C/100 hr)	bar	0.1
ASTM D1264	Water washout (79°C/1 hr)	%	2
ASTM D6138	SKF – Emcor (DI water)		0-1

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## Packaging

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

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