

# MOLYKOTE® G-1033 Grease

PAO grease with excellent lubricity and noise-damping properties; can be used between plastics – including fiber-reinforced plastics – and metal, and plastic-to-plastic parts

## Features & benefits

- Wide temperature range: -45°F to 257°F (-43°C to 125°C)
- Low friction at steel/glass-fiber-reinforced plastic (GFRP)
- Reduced noise at steel/glass-fiber-reinforced plastic (GFRP)

## Composition

- Polyalphaolefin (PAO) oil
- Lithium soap

## Applications

Industrial assembly and appliance slides, guides and linear drives.

Slides for automotive parts, including sunroof and moonroof.  
Lubrication of GFRP and steel or different plastics.

## How to use

Clean point of lubrication. As is usual with lubricating grease, apply or fill by means of brush, spatula or automatic dispensing equipment.

## 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 in the original unopened containers, MOLYKOTE® G-1033 Grease has a usable life of 36 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 MOLYKOTE® sales office or MOLYKOTE® distributor.

## 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
	Appearance		Off-white, beige (smooth, buttery)
	Service temperature range	°F (°C)	-45 to 257 (-43 to 125)
	Base oil viscosity		
	@ 100°C	cSt	6.1
	@ 40°C	cSt	31.2
	@ -40°C	cSt	7,830
	Viscosity index		146
ASTM D566	Dropping point	°F (°C)	410 (210)
	Coefficient of friction (from 4-ball wear test)		0.67-0.82
ASTM D217	Penetration		NLGI #2
	Unworked	mm/10	294
	Worked 60 strokes	mm/10	302
	Worked 10k strokes	mm/10	299
ASTM D566	Bleed (100°C, 24 hrs)	%	1.7
ASTM D566	Evaporation (99°C, 22 hrs)	%	0.4

<sup>(1)</sup>ASTM: American Society for Testing and Materials.

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## Typical properties (continued)

Standard <sup>(1)</sup>	Test	Unit	Result
ASTM D2266	4-ball wear scar (1,200 rpm, 392 N, 75°C, 1 hour)	mm	0.79
ASTM D1478	Low-temperature torque (-40°C)		
	Starting torque	mN-m	81
	Running torque	mN-m	31

<sup>(1)</sup>ASTM: American Society for Testing and Materials.

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