

Product Information Specialty Lubricants



MOLYKOTE™ G-1033 Grease

FEATURES & BENEFITS

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

COMPOSITION

- Polyalphaolefin (PAO) oil
- Lithium soap

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.

APPLICATIONS

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

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE™ Sales Application Engineer or MOLYKOTE™ Customer Service before writing specifications on this product.

Test	Property	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	7830
	Thickener type		Lithium
	Base oil type		PAO
	Pour point	°F (°C)	-45 (-43)
	Flash point	°F (°C)	473 (245)
	Fire point		533 (278)
	Viscosity index		146
	Dropping point	°F (°C)	410 (210)
	Coefficient of Friction (from 4-Ball Wear test)		0.67–0.82

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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 PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE MOLYKOTE WEBSITE AT MOLYKOTE.COM, OR FROM YOUR MOLYKOTE SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING MOLYKOTE CUSTOMER SERVICE.

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 INFORMATION

This product is available in 16 kg packages.

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 has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

TYPICAL PROPERTIES (continued)

Test ¹	Property	Unit	Result
ASTM D217	Penetration, 1/10th of mm		
	Unworked		294 (NLGI #2)
	Worked 60 strokes		302 (NLGI #1-2)
	Worked 10 k strokes		299 (NLGI #1-2)
ASTM D566	Bleed (100°C, 24 hrs)	%	1.74
ASTM D566	Evaporation (99°C, 22 hrs)	%	0.37
ASTM D2266	4-Ball Wear scar (1200 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

¹ASTM: American Society for Testing and Materials.

For further information, please see our website, molykote.com or consult your local Dow representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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