



MOLYKOTE® G-1051 Grease

PAO grease for actuators and plastics parts

Features

- Wide service temperature -50 to 120°C (-58 to 248°F)
- Compatibility with most plastics
- Low oil bleed
- Good shear stability
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

Composition

- Polyalphaolefin
- Lithium soap
- Additives

Applications

Actuators for automotive, home appliance and printers for industrial and 3D.

How to use

Clean points of application. As is usual with lubricating greases, apply or fill by means of a brush, spatula, or automatic lubrication device.

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 40°C (104°F) in the original unopened containers, MOLYKOTE® G-1051 Grease has a usable life of 36 months from the date of production.

Packaging

This product is available in different standard container sizes as shown on molykote.com. 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	Test	Unit	Result
	Color		white
JIS K 2220	Penetration, worked 60		308
JIS K 2220	Penetration, worked 100,000		334
	Service temperature range	°C °F	-50/+120 -58/+248
JIS K 2220	Bleed (100°C, 24 hours)	%	0
JIS K 2220	Evaporation (99°C, 22 hours)	%	0.1
JIS K 2220	Dropping point	°C	254
JIS K 2220	Copper corrosion (100°C, 24 hours)		1a
ASTM D2266	Four ball wear scar (1,200 rpm, 392 N, 1 hour)	mm	0.72
JIS K 2220	Low temperature torque test (-40°C)		
	Starting torque	mNm	100
	Running torque	mNm	59

⁽¹⁾ JIS: Japanese Industrial Standard. ASTM: ASTM International.

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