



MOLYKOTE® G-1076 Grease

Polyalphaolefin oil (PAO)-based grease for automotive gearboxes and actuators

Features & benefits

- Wide temperature range: -50 to 120°C
- Good compatibility with most plastics
- Low coefficient of friction on plastics/steel

Composition

- Polyalphaolefin oil
- Lithium soap
- Additives

Applications

Gearboxes and actuators consisting of plastic and metal parts.
Lubrication of plastic/metal components.

Description

MOLYKOTE® G-1076 Grease is a PAO-based grease designed to be used for plastic and metal components in automotive gear boxes and actuators.

How to use

Clean points of lubrication. As is usual with lubricating grease, apply or fill by means of brush, spatula, or automatic filling 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, this product has a usable life of 1,080 days 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 ⁽¹⁾ | Test | Unit | Result |
|-------------------------|--|------|------------|
| | Appearance | | Pink |
| JIS K 2220 | Penetration (worked 60 strokes) | | 300 |
| | Temperature range | °C | -50 to 120 |
| JIS K 2220 | Bleed (24 hrs, 100°C) | % | 4.8 |
| JIS K 2220 | Evaporation (22 hrs, 99°C) | % | 0.1 |
| JIS K 2220 | Dropping point | °C | 210 |
| JIS K 2220 | Copper corrosion test (24 hrs, 100°C) | | 1a |
| ASTM D2266 | 4 ball test, wear scar (1,200 rpm, 392 N, 1 hr) | mm | 0.77 |
| | Coefficient of friction (PA66/steel) 19.6 N, stroke, 100 mm, 120 cycles/min at 20,000 cycles | | 0.05 |
| JIS K 2220 | Low-temperature torque (-40°C) | | |
| | Starting torque | mN·m | 82 |
| | Running torque | mN·m | 42 |

⁽¹⁾JIS: Japanese Industrial Standard. ASTM: American Society for Testing and Materials.

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