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# MOLYKOTE® 41 Extreme High Temperature Bearing Grease

Silicone grease that can be used at temperatures higher than those of normal silicone greases

## Features

- Does not melt, even at high temperatures
- Superior thermal stability
- Superior oxidation resistance
- Water-resistant
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

## Composition

- Silicone oil
- Carbon black
- Corrosion inhibitor

## Applications

Ideal for use in oven conveyors, kiln dollies, molten salt evacuation pumps, steam turbine regulator links, knife-edge power breakers, etc.

## 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.

Do not use on painted surfaces. Do not use on steel bearing under high loads.

## 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, unopened, in a cool, dark place, 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(1) | Test | Unit | Result |
|---|---|---|---|
| | Appearance | | Black |
| | Base oil viscosity at 25°C | $mm^2/s$ | 316 |
| JIS K 2220 | Penetration (worked 60 times) | mm/10 | 260 to 300 |
| | NLGI class | | 2 |
| | Service temperature range | °C | -20 to 290 |
| | Density | $g/cm^3$ | 1.1 |
| JIS K 2220 | Drop point | °C | None |
| MIL S 8660 | Bleed (150°C/24 hours) | % | 4.0 |
| MIL S 8660 | Evaporation (150°C/24 hours) | % | 1.0 |
| JIS K 2220 | Water washout (38°C/1 hour) | % | 0.5 |
| ASTM D2596 | Four ball weld load (1,500 rpm/1 minute) | N | 1,500 |
| | Maximum Dn value | mm/ minute | 75,000 |

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

## 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.

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