

# Specialty Lubricants

## MOLYKOTE® 41 Grease

**This is a 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

### COMPOSITION

- Silicone oil
- Carbon black
- Corrosion inhibitor

### APPLICATIONS

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

### TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

| Standard*   | Parameter                             | Unit               | Value      |
|-------------|---------------------------------------|--------------------|------------|
|             | Appearance                            |                    | Black      |
|             | Base oil viscosity at 25°C            | mm <sup>2</sup> /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 <sup>3</sup>  | 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 D 2596 | Four ball weld load (1500rpm/1minute) | N                  | 1500       |
|             | Maximum Dn value                      | mm/<br>minute      | 75,000     |

\*JIS: Japanese Industrial Standard.

ASTM: American Society for Testing and Materials.

MIL: Military Specification and Standards.

### 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

This product may irritate the skin or eyes. Wear safety equipment as necessary when handling this product. In the event of contact with skin or eyes, immediately rinse thoroughly with water and seek medical care if necessary. Wash hands thoroughly after handling.

## **USABLE LIFE AND STORAGE**

When stored, unopened in a cool, dark place this product, has a usable life of 36 months from the date of production.

## **PACKAGING**

This product is available in 1kg cans

## **CAUTION**

1. Data included in this document are average values, not specification values. Any applications for this product given in this document are merely examples. Perform thorough evaluations to confirm functionality, effectiveness, and safety before use.
2. No guarantees are made that the applications described in this document are free from infringements of any patent.
3. This product was developed for industrial use, and is not intended for use in medical equipment, pharmaceutical products, etc.
4. Be sure to read the material safety data sheet (MSDS) and container label for this product before use.
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