

MOLYKOTE® 41 SILICONE GREASE

Silicone grease for very high temperature applications at low speeds

FEATURES

- ◆ Non-melting
- ◆ High temperature stability
- ◆ High oxidation resistance
- ◆ Good resistance against water wash-out

COMPOSITION

- ◆ Silicone oil
- ◆ Carbon black
- ◆ Corrosion inhibitor

APPLICATION

- ◆ Suitable for rolling-element bearings in oven conveyors, kiln cars and pumps for molten salts, governor linkage of steam turbines.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

| Standard* | Test | Units | Result |
|-----------------|--|--------------------|----------------------|
| | Colour | | Black |
| | Consistency, density, viscosity | | |
| DIN 51 818 | NLGI consistency class | | Approx. 2 |
| ISO 2137 | Worked penetration | mm/10 | 260-300 |
| ISO 2811 | Density at 20°C | g/ml | 1.1 |
| DIN 51 562 | Base oil viscosity at 25°C ¹ | mm ² /s | 316 |
| | Temperature | | |
| | Service temperature | °C | -20 to +290 |
| ISO 2176 | Drop point | °C | None |
| ASTM-D147880 | Low temperature torque test at -20°C | | |
| | Initial break-away torque | Nm | 136x10 ⁻³ |
| | Torque after 20 minutes running time | Nm | 80x10 ⁻³ |
| | Load-carrying capacity | | |
| | Four-ball tester | | |
| DIN 51 350 pt.4 | Weld load | N | 1500 |
| | Resistance | | |
| DIN 51 807 pt.1 | Water resistance, static evaluation step | | 1-90 |
| DIN 51 808 | Oxidation resistance, pressure drop 100h, 99°C | bar | 0.4 |
| | Oil separation | | |
| DIN 51 817 | Standard test | % | 2.6 |

1. Calculated viscosity value of base oil mixture.

* ASTM: American Society for Testing and Materials

ISO: International Standardisation Organisation

DIN: Deutsche Industrie Norm

HOW TO USE

How to apply

Clean bearing surfaces. Apply grease in the normal way using a brush, grease gun or automatic lubricating system. MOLYKOTE 41 Grease can be used in centralised lubrication systems. Do not mix with other

greases.

HANDLING PRECAUTIONS

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read

product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers this product has a usable life of 60 months from the date of production.

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last digit) and year. Example: "EXP 03/99" means use by 31 March 1999.

PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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