

Specialty Lubricants

MOLYKOTE® Longterm 00 Fluid grease

FEATURES

- Extremely high load-bearing capacity
- Resistant to galling through mixed friction. Wear protection due to solid lubricants and extreme pressure (EP) additives
- Extremely adhesive due to incorporated adhesion improver
- Good protection against corrosion
- Contains no lead or nickel

COMPOSITION

- Mineral oil
- Lithium soap
- Solid lubricants
- Corrosion inhibitor
- Adhesion improver
- EP additives

Fluid grease for the lubrication of highly stressed transmissions with metal gears

APPLICATIONS

- Closed gears that are subjected to high stresses, frictional corrosion and moisture.
- Used successfully for highly stressed gears that are subjected to high stresses, frictional corrosion and moisture.

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* | Test | Unit | Result |
|----------------|----------------------------------------------------------------|--------------------|-----------------------|
| | Color | | Black |
| | Consistency, density, viscosity | | |
| DIN 51 818 | Consistency class, NLGI ¹ | | 00 |
| ISO 2137 | Worked penetration | mm/10 | 400-430 |
| ISO 2811 | Density at 20°C (68°F) | g/ml | 0.93 |
| DIN 51 562 | Base oil viscosity at 40°C (104°F) ² | mm ² /s | 300 |
| | Temperature | | |
| | Service temperature | °C | -40 to +110 |
| | | °F | -40 to +230 |
| ISO 2176 | Drop point | °C | 190 |
| | | °F | 374 |
| ASTM-D147880 | Low temperature torque test at -30°C (-22°F) | | |
| | Initial break-away torque | Nm | 1120x10 ⁻³ |
| | Torque after 20 minutes running time | Nm | 220x10 ⁻³ |
| DIN 51 805 | Kesternich method - flow pressure at -40°C (-40°F) | mbar | 340 |
| | Loading capacity, protection against wear, service life | | |
| | Four-ball tester | | |
| DIN 51 350 T.4 | Weld load | N | 3400 |
| DIN 51 350 T.5 | Wear scar under 800N load | mm | 0.9 |
| | Almen-Wieland machine | | |
| | OK load | N | 12000 |
| | Resistance | | |
| DIN 51 807 T.1 | Water resistance, static evaluation step | | 1-90 |
| DIN 51 808 | Oxidation resistance, pressure drop 100h, 99°C (210°F) | bar | 0.3 |

TYPICAL PROPERTIES (continued)

| Standard* | Test | Unit | Result |
|------------|--------------------------------|------|--------|
| | Corrosion protection | | |
| DIN 51 802 | SKF-Emcor method | | |
| | Degree of corrosion, sea water | | 1 |

1. National Lubricating Grease Institute.

2. Calculated viscosity of base oil mixture.

* ASTM: American Society for Testing and Materials.

ISO: International Standardisation Organisation.

DIN: Deutsche Industrie Norm.

APPLICATION METHOD

Clean contact surfaces. Apply in the normal way using a brush, grease gun or automatic lubricating system. Can be used in centralised lubrication systems. Do not mix with other greases.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

PACKAGING

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

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

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