

# MOLYKOTE® Longterm 00 (IN)

Fluid grease for highly stressed transmission systems and wire rope lubrication

## Features

- Extremely high load bearing capacity
- Resistant to galling through mixed friction
- Wear protection due to solid lubricants and EP additives
- Balanced rheological properties make it penetrate well
- Extremely adhesive due to incorporated adhesion improver
- Good protection against corrosion

## Composition

- Mineral Oil
- Lithium soap
- Solid lubricants
- Corrosion inhibitor
- Adhesion improver

## Applications

Molykote® Longterm 00 (IN), extreme pressure fluid grease is designed for the lubrication of applications involving very high loads. Closed transmission systems that, wire ropes that are subjected to high stress, frictional corrosion and moisture like the ones in:

Application examples:

- Mill Journal Bearing lubrication in sugar plants
- Closed gear boxer without sump based lubrication systems
- Segment bearings in steel mills with CGLS distribution systems
- Wire rope lubrication owing to excellent penetration properties
- Cement plant girth gears which are heavily loaded

## How to use

Clean the contact areas. As is usual with lubricating greases, apply by means of a brush, spatula, grease-gun, or automated lubrication (CGLS) device. Can be used in centralized lubrication systems.

## Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DUPONT WEBSITE AT MOLYKOTE.COM, OR FROM YOUR MOLYKOTE® SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING MOLYKOTE® CUSTOMER SERVICE.

## Usable life and storage

Molykote® Longterm 00 (IN) has a shelf life of 60 months from date of manufacture when stored at temperatures under 30 Deg C. Avoid direct sunlight. Refer to product packaging for use-by date.

## 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      | Test                                | Unit  | Result                  |
|---------------|-------------------------------------|-------|-------------------------|
|               | Color                               |       | Black                   |
| DIN 51818     | Consistency Class, NLGI Grade       |       | 1                       |
| ISO 2137      | Worked Penetration                  | mm/10 | 400 – 430               |
| ISO 2811      | Density at 20 Deg C                 | g/ml  | 0.93                    |
| DIN 51562     | Base Oil viscosity at 40 Deg C      | Cst   | 300                     |
| ISO 2176      | Drop Point                          | Deg C | 190                     |
| ASTM D-147880 | Low Temperature Torque at -30 Deg C |       |                         |
|               | Starting Torque                     | Nm    | 1120 X 10 <sup>-3</sup> |
|               | Running Torque                      | Nm    | 220 X 10 <sup>-3</sup>  |
| DIN 51805     | Flow Pressure at -40 De C           | mbar  | 340                     |
| DIN 51350 T4  | Four Ball Weld Load                 | N     | 3400                    |
| DIN 51350 T5  | Wear Scar at 800N Load              | Mm    | 0.9                     |
| DIN 51817 T1  | Water Resistance                    |       |                         |

## Packaging

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

## **Limitations**

These products are neither tested nor represented as suitable for medical or pharmaceutical uses.

## **Health and environmental information**

To support customers in their product safety needs, DuPont has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [dupont.com](http://dupont.com) or consult your local DuPont representative.

## **Warranty information - please read carefully**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

DuPont's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DUPONT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**DUPONT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.**