

# 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](http://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 Deg 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 or consult your local DuPont representative.

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

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