



Product Data

Optimol Longtime PD 0 + PD 00

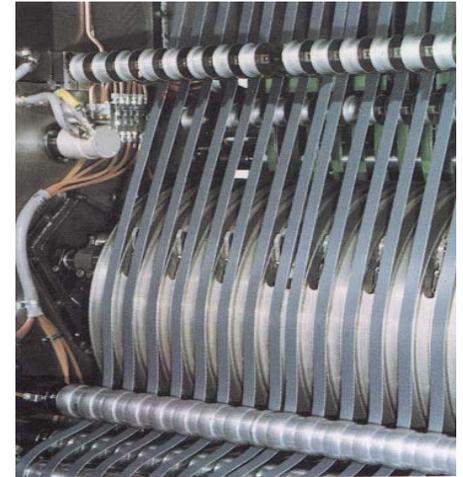
Solid Free High Performance Greases for Long-Term Lubrication of Gears & Bearings

Description

Optimol Longtime PD 0 + PD 00 are solid-free, high performance greases for long term lubrication of gears and bearings. Containing **Microflux Trans®**, they improve friction surfaces to an extent not possible with normal machining processes and conventional EP lubricants.

Features

- Outstanding load carrying capacity.
- Smoothing of existing pitting on damaged components.
- Smooth flowing, no channelling on gears running at high speeds.
- Excellent rust protection, helps prevent fretting corrosion.
- Easily pumpable in central lubrication systems.
- Resistant to hot and cold water.
- Temperature range – 35°C to + 140°C.



Rotary Presses with Central Lubrication

Benefits

- Extended life of components due to surface improvements.
- Energy savings and temperature reduction due to lower co-efficient of friction.
- Possible lifetime fill.
- Assured delivery of grease in central lubrication systems.

Applications

- Long-term or lifetime lubrication even under the most difficult mechanical conditions.
- For semifluid grease lubrication of gears such as flange, drum-type and worm gears.
- For gears without oil tight enclosure.
- For the lubrication of gear wheels.
- In rolling bearings with sufficient grease reservoir.
- For tooth couplings.
- In central lubrication systems.
- Temperature application range: -35°C/- 40°F to +140°C/+284°F
- For leaky gear boxes where an ISO 460 or greater viscosity oil is recommended.

Recommendations

- Please observe the specifications of the plant manufacturers.
- Compatible with all conventional sealing materials and non-ferrous metal.

PLD 1452/00

Bulk Item Code – 111457 – Optimol Longtime PD 0

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Castrol Industrial - Australia
Level 6, 636 St Kilda Road, Melbourne 3004
Technical Advice Line 1300 557 998
www.castrol.com.au
Sydney 02 9795 4800
Melbourne 03 9268 4200
Brisbane 07 3850 9300
Adelaide 08 8347 6200
Perth 08 9268 9288

Technical Data

	Unit	Value		Test Method
LONGTIME PD	-	0	00	-
Article no.	-	08222	08220	-
Colour	-	Brown		Visual
Base	-	Lithium-12-hydroxystearate/mineral oil		-
Consistency/NLGI grade	-	0	00	DIN 51818
Worked penetration Pw 60	0.1mm	355 -385	400 - 430	DIN ISO 2137
Density at +20°C/+ 68°F	g/cm ³	0.886	0.911	DIN 51757
Base oil viscosity at +40°C/+104°F	mm ² /s	141.4	125	DIN 51562
Dropping point	°C	194	-	DIN ISO 2176
	°F	381.2		
Flow pressure at - 35°C/- 31°F	mbar	1020	500	DIN 51805
SRV [®] test run mode 5ae: 300N/50°C/122°F/ball/surface/2h coefficient of friction wear	-	0.068	0.074	DIN E 51834
a) ball/scar Ø	mm	0.59	0.59	
b) profile depth Pt	µm	1.1	1.4	

These technical data are based on average test results. Minor deviations may occur from case to case.

Health, Safety and Environment

Spillage: Spills should be contained, absorbed and placed in suitable containers for disposal. Do not discharge into waterways or sewer systems.

Disposal: US SPA Hazardous Waste Numbers:
This material is regulated as used oil by the EPA. Under the Used Oil Management Standards (40 CFR 279) effective 3/8/93, EPA presumes used oil will be recycled. If it is, no characteristic determination is required provided all parties handling the used oil comply with part 279. These management standards apply to used oil until it is disposed of or sent for disposal. Individual state regulations may differ from the federal regulations. Refer to applicable state and local regulations for proper handling procedures.
General Disposal Considerations:
Dispose of in accordance with local, state and federal regulations. Disposal of this material to the land may be banned by federal law (40 CFR 268).

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia Inc. products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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