



Product Data

Optimol Longtime PD 1 + PD 2

Solid Free High Pressure Greases for Long-Term Lubrication

Description

Optimol Longtime PD are solid-free, high pressure greases for long-term lubrication with a wide range of applications. The additive combination **Microflux Trans**[®] adjusts itself to changing loads and actively prevents wear.

Features

- Extraordinary load-bearing capacity.
- Smoothing of existing surface damage.
- Excellent corrosion protection, largely prevents fretting corrosion.
- Resistant to hot and cold water.



Crushers



Rolling Bearings of
Cylinders

Benefits

- Extremely extended operating period even under high loads.
- Optimum wear protection.
- Improvement of the surface quality.
- Easily pumpable in centralised lubricating systems.
- Cost savings through extended life of capital equipment.
- Compatible with lithium based greases.

Applications

- For long-term or lifetime lubrication even under difficult operating conditions such as extreme pressure, vibrations, shock loads, and a wide temperature range.
- In highly loaded rolling and sliding bearings
- For bearings of spinning and grinding spindles.
- For gear motors exposed to shock loads.
- In screening and wood shaping machines.
- For bearing surfaces of printing plates.
- Temperature application range: - 35°C/-31°F to + 140°C/ + 284°F

Recommendations

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

PLD 1457/00

Bulk Item Code – 111460 – Optimol Longtime PD1

Bulk Item Code – 107421 – Optimol Longtime PD2

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Technical Data

	Unit	Value		Test Method
LONGTIME PD	-	1	2	-
Article No.	-	08224	08226	-
Colour	-	Brown		Visual
Base	-	Lithium/Mineral Oil		-
Consistency/NLGI grade	-	1	2	DIN 51818
Worked penetration Pw 60	0.1mm	310 – 340	265 – 295	DIN ISO 2137
Difference: Pw100.000 – Pw60	0.1mm	12	17	-
Density at +20°C/+ 68°F	g/cm ³	0.887	0.886	DIN 51757
Base oil viscosity at +40°C/+104°F	mm ² /s	93.9	94.9	DIN 51562
Dropping point	°C	>260	255	DIN ISO 2176
	°F	>500	491	
Water Resistance at +90°C/+194°F	-	1	1	DIN 51807 T.1
Flow pressure at - 35°C/- 31°F	mbar	1580	1220	DIN 51805
SRV [®] test run mode 5ae: 300N/50°C/122°F/ball/surface/2h coefficient of friction wear	-	0.063	0.070	DIN E 51834
a) ball/scar Ø	mm	0.55	0.55	
b) profile depth Pt	µm	1.0	1.0	

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 EPA 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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