



## Product Data

# LONGTIME PD 2

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### *High Pressure Greases*

#### DESCRIPTION

Optimol Longtime PD are solid free, high pressure greases for long term lubrication with a wide range of applications.

#### APPLICATION

Castrol Longtime PD additive combination Microflux Trans® adjusts itself to changing loads and actively prevents wear. They can be used for long term or lifetime lubrication even under the most difficult operating conditions such as extreme pressure, vibrations, shock loads and a wide temperature range in highly loaded rolling and sliding bearings. They can also be used in bearings of spinning and grinding spindles, for gear motors exposed to shock loads, in screening and wood shaping machines and for bearing surfaces of printing plates. The temperature application range is -35°C to +140°C

#### FEATURES

#### BENEFITS

- |  |   |
|--|---|
| ◆ Extraordinary load bearing capacity  | ◆ Extremely extended operating period even under high loads and optimum wear protection |
| ◆ Smoothing of existing surface damage | ◆ Improvement of the surface quality  |
| ◆ Excellent corrosion protection       | ◆ Largely prevents fretting corrosion   |
| ◆ Free flowing                         | ◆ Easily pumpable in centralised lubricating systems                                    |
| ◆ Resistant to cold and hot water      | ◆ Resists water wash out  |



## Product Data

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### TYPICAL PHYSICAL CHARACTERISTICS

	Value	Value	Test Method
<b>LONGTIME PD</b>	1	2	-
Colour	Brown	Brown	Visual
Base	Lithium & mineral oil	Lithium & mineral oil	-
Consistency/NLGI Grade	1	2	DIN 51818
Worked Penetration Pw 60, 0.1mm	310-340	265-295	DIN ISO2137
Difference: Pw 100.000 - Pw 60, 0.1mm	12	17	-
Density at +20°C g/cm <sup>3</sup>	0.887	0.886	DIN 51757
Base Oil Viscosity +40°C mm <sup>2</sup> /s	93.9	94.9	DIN 51562
Dropping Point, °C	>180	>180	DIN ISO2176
Flow Pressure @ -35°C mbar	>1600	>1600	DIN 51805
SRV Test Run - test mode 5ae:			
300 N50°C/122°F/ball/surface/2hr coefficient of friction wear	0.0683	0.070	DIN E 51834
ball/scar , mm	0.55	0.55	
profile depth, Pt, µm	1.0	1.40	

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

- Compatible with all conventional sealing materials and non-ferrous metals

Health and Safety information sheets are available for all Castrol products from the address below:  
**Castrol (U.K.) Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, England, Telephone:**  
**Orders/Enquiries (08459)645111, Technical Enquiries (01793)452111, Fax (01793)486083**

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