



Product Data

LONGTIME PD 1 + 2

High Pressure Greases

DESCRIPTION

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

APPLICATION

Optimol 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

- ◆ Extraordinary load bearing capacity
- ◆ Smoothing of existing surface damage
- ◆ Excellent corrosion protection
- ◆ Free flowing
- ◆ Resistant to cold and hot water

BENEFITS

- ◆ Extremely extended operating period even under high loads and optimum wear protection
- ◆ Improvement of the surface quality
- ◆ Largely prevents fretting corrosion
- ◆ Easily pumpable in centralised lubricating systems
- ◆ Resists water wash out

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08/11/2004

All reasonable care has been taken to ensure that the information contained in this publication is accurate at the date of printing. It should be noted however that the information may be effected by changes subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such Products



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TYPICAL PHYSICAL CHARACTERISTICS

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

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



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