Product Data Sheet

OPTIMOL LONGTIME PD 1 + PD 2

Long-term greases with MICROFLUX TRANS®, the load-active additive combination

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.

APPLICATIONS

- For long-term and 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

ADVANTAGES

- extraordinary load carrying capacity
- extremely extended operating periods even under high loads
- optimum wear protection
- improvement of the surface quality
- smoothing of existing surface damage
- excellent corrosion protection, largely prevents fretting corrosion
- easily pumpable in centralized lubricating systems
- resistant to cold and hot water

NOTES FOR USE

- Please observe the specifications of the plant manufacturers.
- Compatible with all conventional sealing materials and nonferrous metals.
- OPTIMOL LONGTIME PD 2 also available in a special cartridge for the Memolub® lubricator.

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OPTIMOL LONGTIME PD 1 + PD 2

Technical data

	Unit	Value		Test method
OPTIMOL LONGTIME PD	**-**	**1**	**2**	**-**
Article no.	-	08224	08226	-
Color	-	brown		visual
Base	-	lithium/mineral oil		-
Consistency/NLGI grade	-	1	2	DIN 51818
Worked penetration Pw 60	0.1 mm	310 - 340	265 - 295	DIN ISO 2137
Difference: Pw 100.000 - Pw 60	0.1 mm	12	17	-
Density at + 20°C/+ 68°F	kg/m³	887	886	DIN 51757
Base oil viscosity at + 40°C/+ 104°F	mm²/s	93.9	94.9	DIN 51562
Dropping point	°C °F	202 396	199 390	DIN ISO 2176
Water resistance at + 90°C/+ 194°F	-	1	1	DIN 51807 T. 1
Flow pressure at - 35°C/- 31°F	hPa	1210	1280	DIN 51805
SRV® test run - test mode 5ae: 300 N/50°C/122°F/ball/surface/2h coefficient of friction wear a) ball/scar Ø b) profile depth Pt	 - mm µm	 0.063 0.55 1.0	 0.070 0.55 1.0	DIN E 51834

1 mm²/s ≙ 1cSt

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

For further product information please contact the Technical Service of Castrol Industrie GmbH – Performance Lubrication.