



Product Data

LONGTIME PD 0 + PD 00

Issue Number 1
05/12/2003

Semi fluid Greases

DESCRIPTION

Castrol Longtime PD 0 + PD 00 are solid free, high pressure semi-fluid greases.

APPLICATION

Castrol Longtime PD 0 + PD 00 are for long term lubrication of gears with semi-fluid grease lubrication or gearwheels and rolling bearings with a grease reservoir. The additive combination Microflux Trans® adjusts itself to changing loads and actively prevents wear. They are used for long term or lifetime lubrication even under the most difficult mechanical conditions and for semi-fluid grease lubrication of gears such as flange, drum-type and worm gears or for gears without oil-tight enclosure In rolling bearings with a grease reservoir. They are also used for curved teeth couplings and used in centralised lubricating systems. The temperature application range is -40°C to +140°C

FEATURES

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

BENEFITS

- ◆ Extended operating period even under high loads and optimum wear protection
- ◆ Improvement of the surface quality
- ◆ Largely prevents fretting corrosion
- ◆ No channelling on gears running at high speeds and easily pumpable in centralised lubricating systems
- ◆ Resistant to water wash out



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TYPICAL PHYSICAL CHARACTERISTICS

-	Value	Value	Test Method
Longtime PD	0	00	-
Colour	Brown	Brown	Visual
Base	Lithium soap & mineral oil	Lithium soap & 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 g/cm ³	0.886	0.911	DIN 51757
Base Oil Viscosity +40°C mm ² /s	141.4	125	DIN 51562
Dropping Point, °C	194	-	DIN ISO 2176
Flow Pressure @ -35°C/-31°F, mbar	1020	500	DIN 51805
SRV Test Run - test mode 5ae: 300 N50°C/ 122°F/ball/surface/2hr coefficient of friction	0.068 0.59	0.074 0.59	DIN E 51834
wear ball/scar , mm	1.1	1.4	
profile depth, Pt, µm			

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

NOTES FOR USE

- Please observe the specifications of the plant manufacturers
- 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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of any of the products referred to or in the requirements of any specification approval relating to any such products.