



Castrol Optitemp PS Range

High-temperature Greases

Description

Castrol OPTITEMP™ PS are solid-free high-temperature greases for highly loaded rolling and sliding bearings at low and medium speeds.

These products feature a water resistance which is exceptional for high-temperature greases as well as an excellent corrosion protection. OPTITEMP® PS 1 is easily conveyable in centralized lubricating systems and is therefore especially suited for total loss lubrication.

Application

- Sterilizers in the food and beverage industries.
- Eccentric presses, forging presses.
- Continuous casting plants.
- Calender bearings.
- Bearings in Conti presses in the wood industry.
- Roll stand bearings.
- Temperature application range: - 25°C/- 13°F to + 160°C/+ 320°F (up to +200°C/+ 392°F in case of total loss lubrication)

Advantages

- OPTITEC® - OPTIMOL technology.
- High wear protection - even at slow speeds.
- High load carrying capacity.
- Resistant to hot and cold water.
- High corrosion protection.
- Excellently suited for centralized lubricating systems (OPTIMOL OPTITEMP® PS1)

Typical Characteristics

Name	Method	Units	Optitemp PS 1	Optitemp PS 2
Colour	Visual	-	Blue	Brown
Base oil	-	-	Mineral Oil	Mineral Oil
Thickner type	-	-	Polyurea	Polyurea
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	330	281
Density @ 20°C / 68°F	ASTM D4052	kg/m ³	910	914.5
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	460	460
Dropping Point	ISO 2176 / ASTM D566	°C/°F	>240/>464	274/525.2
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138	Rating	0	0
Copper Corrosion (24 hrs, 100°C / 212°F)	ASTM D4048	Rating	0	0
Flow pressure @ -20°C / -4°F	DIN 51805	mBar	318	857

1 mm²/s ^ 1 cSt

User Advice

- Please observe the bearing manufacturers' specifications.
- Do not mix OPTITEMP® PS with other greases. In case of doubt please contact the Technical Service

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