Castrol Industrie GmbH
Performance Lubrication

Product Data Sheet

OPTIMOL OPTITEMP® HT 2 + HT 2 EP

High-temperature greases for long-term lubrication

DESCRIPTION

OPTIMOL OPTITEMP® HT 2 and HT 2 EP are high performance greases for long-term lubrication of rolling and sliding bearings at high operating temperatures as well as at normal or medium bearing pressures.
OPTIMOL OPTITEMP® HT 2 is light-colored. OPTIMOL OPTITEMP® HT 2 EP has a dark color due to the molybdenum disulphide contained in it. It features an even higher load bearing capacity and good emergency running properties.

APPLICATIONS

- For thermally loaded rolling and sliding bearings such as fan bearings in the textile, wood, plastics and food industries as well as in stove furnaces of the automotive industry
- For steam-heated calender or drying cylinder bearings
- As sealing grease for labyrinth seals at high temperatures
- For the application in slightly acidic or alkaline atmospheres
- OPTIMOL OPTITEMP® HT 2 EP is especially suited for friction points subjected to increased loads or when special emergency running properties are required
- Both greases are USDA-H2 authorized and suited for the use in the food and beverage industries

ADVANTAGES

- OPTITEC® - OPTIMOL technology
- optimum wear protection in the high load range
- extremely good load bearing capacity
- especially aging and temperature-resistant
- structurally stable
- resistant to cold and hot water, limited resistance to alkalis and acids
- excellent corrosion protection
- pumpable in central lubrication systems
- temperature application range: - 20°C/- 4°F to + 160°C/+ 320°F. In case of life-lubricated bearings the temperature of + 150°C/+ 302°F under normal conditions should not be exceeded. Short-term operation at higher temperatures is possible - please consult our Technical Service.

NOTES FOR USE

- Please follow the bearing manufacturer's specifications.
- Do not mix OPTIMOL OPTITEMP® HT 2 and HT 2 EP with other lubricating greases. In case of doubt please consult the Technical Service.
- Thoroughly clean bearings before introducing the initial fill.
- Fill bearing housing only about half-full with OPTIMOL OPTITEMP® HT 2 or HT 2 EP.

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OPTIMOL OPTITEMP® HT 2 + HT 2 EP

Technical data

	Unit	Value		Test method
OPTIMOL OPTITEMP® HT	**-**	**2**	**2 EP**	**-**
Article no.	-	08316	VP458	-
Color	-	dark yellow	black	visual
Base	-	inorganic thickener	inorganic thickener + MoS_2	-
Consistency/NLGI grade	-	2		DIN 51818
Worked penetration Pw 60	0.1 mm	265 - 295		DIN ISO 2137
Difference: Pw 100,000 - Pw 60	0.1 mm	50		-
Dropping point	°C °F	none		DIN ISO 2176
Water resistance at +90°C/+194°F	-	0 (no change)		DIN 51807 T. 1
Corrosion protection (SKF Emcor)	-	0		DIN 51802
Oxidation resistance at 100h/ 100°C/212°F, pressure drop	bar	0.4		DIN 51808
Four ball o.k. load	N	1800	2600	DIN 51350

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.

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