

**Product Data**

## Castrol Optitemp MT

High-pressure grease for rolling and sliding bearings, resistant to water and alkaline solutions

### Description

OPTITEMP™ MT is a solid-free, very adherent high-pressure grease for long-term lubrication of bearings under difficult operating conditions. The light-colored lubricating grease consists of highly viscous base oils and a gel-like thickener with a high thermal stability.

### Application

- Long-term lubrication of rolling and sliding bearings under difficult operating conditions
- When exposed to open air, humidity, dust, vibrations and impact loads
- For threaded spindles and guides
- In filling stations under wet operating conditions
- For felt guide rolls in the paper industry
- In vehicles and devices, cranes, high-lift trucks and hoists
- Temperature application range: - 25°C/- 13°F to + 160°C/+ 320°F

### Advantages

- OPTITEC™ - OPTIMOL technology
- high load carrying capacity
- excellent thermal stability
- suited for long-term lubrication
- adherent even in humid environments
- dirt and water-repellent
- resistant to cold and hot water
- resistant to alkaline solutions and aqueous acids
- protects against corrosion and wear

### Typical Characteristics

Test	Method	Unit	Value
CASTROL OPTITEMP	-	-	MT
Colour	visual	-	yellowish-green
Base	-	-	bentonite/mineral oil
Kin. base oil viscosity at + 40°C	DIN 51550	mm <sup>2</sup> /s	300
at + 100°C			26
Consistency/NLGI grade	DIN 51818	-	2 - 3
Worked penetration Pw 60	DIN ISO 2137	0.1 mm	250 - 280
Density at + 20°C/+ 68°F	DIN 51757	kg/m <sup>3</sup>	907
Dropping point	DIN ISO 2176	°C °F	> 300 > 572
Water resistance at + 90°C/+ 194°F	DIN 51807 T. 1	-	0
Corrosion protection (SKF Emcor)	DIN 51802	-	0
Copper corrosion protection at + 100°C/+ 212°F	DIN 51811	-	1
Oil separation wt.	DIN 51817	%	0.29

1 mm<sup>2</sup>/s <sup>^</sup> 1cSt

Subject to usual manufacturing tolerances

## Additional Information

- Please observe the specifications of the bearing manufacturers.
- Grease rolling bearing, fill bearing housing only about half full with grease.
- In case of relubrication via grease nipple, pump grease into the bearing until fresh grease vents.
- Compatible with conventional sealing materials resistant to mineral oil.
- Maximum performance can be assured only if the product is not mixed with other lubricants

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