

## Product Data

# Castrol Optitemp<sup>®</sup> MT

High Pressure Grease for Rolling and Slide Bearings  
Resistant to Water and Alkaline Solutions

### Description

Castrol Optitemp<sup>®</sup> 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.

### Applications

- 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<sup>®</sup> - 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
- USDA H2 registered

### Notes for Use

- Please observe the specifications of the bearing manufacturers.
- Grease rolling bearing, fill bearing housing only about half full with grease.
- In case of re-lubrication 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.

**CASTROL OPTITEMP® MT**  
**TYPICAL PROPERTIES**

	Unit	Value	Test Method
<b>OPTITEMP®</b>	-	<b>MT</b>	-
Article no.	-	VP001	-
Color	-	yellowish-green	visual
Base	-	bentonite/mineral oil	-
Kin. base oil viscosity @ 40°C @ 100°C	mm <sup>2</sup> /s	110 11.7	DIN 51550
Consistency/NLGI grade	-	2 - 3	DIN 51818
Worked penetration Pw 60	0.1 mm	250 - 280	DIN ISO 2137
Density @ 20°C/68°F	kg/m <sup>3</sup>	907	DIN 51757
Dropping point	°C °F	> 300 > 572	DIN ISO 2176
Water resistance @ 90°C/194°F	-	0	DIN 51807 T. 1
Corrosion protection (SKF Emcor)	-	0	DIN 51802
Copper corrosion protection @ 100°C/212°F	-	1	DIN 51811
Oil separation	wt. %	0.29	DIN 51817

1 mm<sup>2</sup>/s  $\hat{=}$  1cSt

These technical data are based on average test results. Minor deviations may occur from case to case. Above data are based on extensive tests and practical experience. Considering the wide range of application requirements, they cannot, however, guarantee success in every single case. We therefore recommend practical trials. We reserve the right to change the product composition with a view to further improvement.

Health, safety and environmental information are provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. Castrol will not accept liability if the product is used other than in the manner or with the precautions or for the purpose(s) specified. Before using the product other than directed, please contact Castrol for consultation.

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