

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

Name	Method	Units	Optitemp MT
Colour	Visual	-	yellow-green
Base oil	-	-	mineral oil
Thickner Type	-	-	Bentonite
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	300
Base Oil Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	26
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	250-280
Density @ 20°C / 68°F	ASTM D4052	kg/m ³	907
Dropping point	ISO 2176 / ASTM D566	°C/°F	>300/>572
Water Resistance	DIN 51807-1	Rating	0
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138	Rating	0
Copper Corrosion (24 hrs, 100°C / 212°F)	ASTM D4048	Rating	1
Oil Separation (168 hrs @ 40°C / 104°F)	IP 121 / DIN 51817	% wt	0.29

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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