



Product Data Sheet

OPTIMOL OLIT CLS

Water-resistant long-term grease

DESCRIPTION

OPTIMOL OLIT CLS is an extremely water-resistant high performance grease on a lithium/calcium base. It excellently protects against wear and is optimally suited for long-term application and long relubrication intervals.

Its extreme resistance against water, caustic soda and detergents guarantees high operational reliability even under aggressive ambient conditions. In progressive centralized lubricating systems OPTIMOL OLIT CLS is easily pumpable and maintains its grease and long-term stability even under high operating pressures above 350 bar.

APPLICATIONS

- In highly loaded sliding and rolling bearings
- Under difficult operating conditions, i.e. lubricating points exposed to weather, humidity, dust and high loads
- As underwater grease for dredgers, lifting devices etc. in gravel plants and sewage treatment plants
- For bearing lubrication in the beverage and sugar industries
- In progressive centralized lubricating systems even under high working pressures above 350 bar
- Temperature application range: - 30°C/- 22°F to + 120°C/+ 248°F

ADVANTAGES

- OPTITEC® - OPTIMOL technology
- high resistance against: water, detergents and caustic soda
- optimum sealing of bearings due to water-resistant grease collar
- excellently pumpable in centralized lubricating systems, no blocking of the distributors
- aging-resistant and shear-stable
- long-term stability
- excellent pressure resistance
- USDA H2 authorized and suited for the application in the food and beverage industries
- very good corrosion protection

NOTES FOR USE

- Please follow the specifications of the bearing and plant manufacturers.
- Grease rolling bearing, fill rolling bearing only about half-full with OPTIMOL OLIT CLS.
- In case of relubrication, pump grease into the bearing until fresh grease vents.



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Technical data

	Unit	Value	Test method
OPTIMOL OLIT CLS	-	-	-
Article no.	-	08202	-
Color	-	beige	visual
Base	-	lithium-calcium/ mineral oil	-
Consistency/NLGI grade	-	2	DIN 51818
Worked penetration Pw 60	0.1 mm	265 - 295	DIN ISO 2137
Density at + 20°C/+ 68°F	kg/m ³	905	DIN 51757
Dropping point	°C °F	148 298.4	DIN ISO 2176
Water resistance at + 90°C/ + 194°F	-	1	DIN 51807 T. 1
Corrosion protection (SKF Emscor)	-	0	DIN 51802
Copper corrosion protection at + 100°C/+ 212°F	-	0	DIN 51811
Oil separation	weight %	1.44	DIN 51817
Flow pressure at - 20°C/- 4°F - 35°C/- 31°F	hPa	300 810	DIN 51805

1 mm²/s $\hat{=}$ 1cSt

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.

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.