



Product Data Sheet

OPTIMOL OPTITEMP[®] TT 1 + TT 1 EP

Low-temperature greases with MICROFLUX TRANS[®], the load-active additive combination

DESCRIPTION

OPTIMOL OPTITEMP[®] TT 1 and TT 1 EP are high performance greases for applications with wide temperature ranges.

OPTIMOL OPTITEMP[®] TT 1 is especially suited for rolling and sliding bearings with medium bearing pressures.

OPTIMOL OPTITEMP[®] TT 1 EP contains MoS₂ and is particularly appropriate for extremely high loads. The additive combination MICROFLUX TRANS[®] in OPTIMOL OPTITEMP[®] TT 1 adjusts to varying operating conditions and actively prevents wear.

APPLICATIONS

- Rolling and sliding bearings
- Clutch bearings and wheel hubs
- For bearings running at high speeds with a $n \times dm$ factor up to about 1 mio.
- Especially for wide temperature ranges
- In the low-temperature range
- Temperature application range: - 60°C/- 76°F to + 120°C/+ 248°F

ADVANTAGES

- extreme load carrying capacity
- optimum wear protection in the high load range
- temperature-independent over a wide application range
- suited for lifetime lubrication
- excellent corrosion protection, largely prevents fretting corrosion
- anticorrosive
- pumpable in centralized lubricating systems

NOTES FOR USE

- Please observe the specifications of the bearing manufacturers.
- OPTIMOL OPTITEMP[®] TT 1 and TT 1 EP are not to be mixed with other greases.
- Thoroughly clean bearing before introducing the initial fill.
- Maximum performance can only be assured if the product is not mixed with other lubricants.
- Fill bearing housing only about half full with grease.

MÖNCHENGLADBACH

Erkelenzer Straße 20
D-41179 Mönchengladbach
Tel.: +49 (0) 21 61 9 09-30
Fax: + 49 (0) 21 61 9 09-400

MÜNCHEN

Friedenstraße 10
D-81671 München
Tel.: +49 (0) 89 41 83-0
Fax: + 49 (0) 89 41 83-200



OPTIMOL OPTITEMP® TT 1 + TT 1 EP

Technical data

	Unit	Value		Test method
OPTIMOL OPTITEMP® TT	-	1	1 EP	-
Article no.	-	08318	08307	-
Color	-	light-brown	black	visual
Base	-	organic/inorganic thickener synthetic base oil		-
Consistency/NLGI grade	-	1	1	DIN 51818
Worked penetration Pw 60	0.1 mm	310 - 340	310 - 340	DIN ISO 2137
Density at + 20°C/+ 68°F	kg/m ³	965	994	DIN 51757
Dropping point	°C °F	> 300 > 572	243 469.4	DIN ISO 2176
Corrosion protection (SKF Emcor)	-	1	0	DIN 51802
Oil separation at + 40°C/ + 104°F/168 h	wt.-%	5.50	4.30	DIN 51817
Flow pressure at - 35°C/- 31°F	hPa	235	257	DIN 51805
Copper corrosion	-	1b	2b	DIN 51811

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 – Performance Lubrication.

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.