



Product Data

CASTROL OPTITEMP[®] TT 1 + TT 1 EP

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

DESCRIPTION

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

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

CASTROL OPTITEMP[®] TT 1 EP contains MoS₂ and is particularly appropriate for extremely high loads. The additive combination MICROFLUX TRANS[®] in CASTROL 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 $n \times d_m$ 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.
- CASTROL 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.

Optitemp TT
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All reasonable care has been taken to ensure that the information contained in this publication is accurate at the date of printing. It should be noted however that the information may be effected by changes subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such Products



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CASTROL OPTITEMP[®] TT 1 + TT 1 EP

Technical data

	Unit	Value		Test method
		1	1 EP	
CASTROL OPTITEMP[®] TT	-	1	1 EP	-
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.

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