Product Data

CASTROL OPTITEMP® LG 0 + LG 2

Low-temperature grease, compatible with plastics

DESCRIPTION

CASTROL OPTITEMP® LG are fully synthetic lithium greases on a polyalphaolefin base.
They are especially designed for the application at low temperatures and for bearings running at high speeds in the normal temperature range. Good compatibility with plastics and elastomers.
CASTROL OPTITEMP® LG 2 is approved according to: VW/AUDI - TL-VW 778 A; BMW - GKM No. 0127 403, 0127 473; DBL - 6827.40; Brose - 002-563501-104 group 3; Opel - B 040 0060 for LG 0

APPLICATIONS

- Door lock cylinders and door locks in vehicle construction
- Rolling and sliding bearings, clutch bearings and wheel hubs for long-term and lifetime lubrication at low temperatures
- Bearings running at high speeds (n x dm - factor up to 1 mio.).
- Grease-lubricated sliding surfaces at temperatures from - 50°C/- 58°F to + 100°C/+ 212°F or
- + 120°C/+ 248°F
- CASTROL OPTITEMP® LG 0 - due to its soft, semi-fluid grease structure it is especially suited for friction points in precision mechanics
- Wide temperature application range:
- CASTROL OPTITEMP® LG 0: - 50°C/- 58°F to +100°C/+ 212°F
- CASTROL OPTITEMP® LG 2: - 50°C/- 58°F to +120°C/+ 248°F

ADVANTAGES

- OPTITEC® - OPTIMOL technology
- easy start-up at low temperatures
- compatible with plastics such as polyacetal (e.g. "Delrin") and polyamide (e.g. "Ultramid")
- compatible with elastomers based on synthetic materials (e.g. NBR, CR) and NR-base as well as with rubber
- do not affect top coat paints e.g. in vehicle construction
- optimum wear protection
- good corrosion protection
- extraordinary water resistance

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Product Data

Technical data

	Unit	Value		Test method
CASTROL OPTITEMP® LG	**-**	**0**	**2**	**-**
Article no.	-	08304	08308	-
Color	-	light-colored		visual
Base	-	lithium soap/PAO		-
Consistency/NLGI grade	-	0	2	DIN 51818
Worked penetration	0.1 mm	355-385	265-295	DIN ISO 2137
Dropping point	°C °F	192 377.6	220 428	DIN ISO 2176
Water resistance at + 90°C/+ 194°F	-	0	0	DIN 51807 T. 1
Corrosion protection (SKF Emcor)	-	0	0	DIN 51802
Oil separation at + 40°C/+ 104°F/168 h	wt. %	15.3	3.7	DIN 51817
Flow pressure at - 40°C/- 40°F	hPa	97	584	DIN 51805

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 or Castrol Industrie GmbH.

NOTES FOR USE

Fill bearing housing only about half-full with CASTROL OPTITEMP® LG.
Follow the specifications of the bearing manufacturers.
Thoroughly clean bearing before introducing the initial fill.
Do not mix with other greases. In case of doubt please consult the Technical Service ơr Castrol Industrie GmbH as to the compatibility with competitive products.
CASTROL OPTITEMP® LG 2 is also available as spray (Art.-no. 09512).

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