

Product Data

Castrol Optitemp[®] LG 2

Low Temperature Grease
Compatible with Plastics

Description

Castrol Optitemp[®] LG products 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
- Wide temperature application range:
 - 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

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 of Castrol as to the compatibility with competitive products.

CASTROL OPTITEMP® LG 2 TYPICAL PROPERTIES

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

These technical data are based on average test results. Minor deviations may occur from case to case. 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.

Health, safety and environmental information are provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. Castrol will not accept liability if the product is used other than in the manner or with the precautions or for the purpose(s) specified. Before using the product other than directed, please contact Castrol for consultation.