



## Product Data

# Castrol Optitemp RB 1

Light-beige special grease for cable lubrication in robots

## Description

OPTITEMP™ RB 1 is a light-beige special grease based on polyalphaolefins for the lubrication of cables in robots.

## Application

- Lifetime lubrication of cables
- Easy application (manual or with spraying gun) due to the soft structure of the product
- OPTITEMP RB 1 guarantees an easy, low-friction shifting and sliding of cables at rails, walls and of insulating plastic tubes
- Grease-lubricated sliding surfaces
- Temperature application range: - 30°C/- 22°F to + 130°C/+ 266°F

## Advantages

- OPTITEC™ - OPTIMOL technology
- compatible with elastomers and plastics such as PUR, PVC, Polyester, used in modern robots due to a high number of different elastomer qualities we recommend compatibility test with original elastomers
- no impairment if in contact with two-component sliding lacquers, top coat RAL
- compatible with paints i.e. no impairment of car body surfaces
- resistant to weld chips i.e. red hot metal chips generated during welding do not ignite the grease or the base oil
- optimum wear protection
- good water resistance
- no drying of the product
- no skin irritations

## Typical Characteristics

Test	Method	Unit	Value
CASTROL OPTITEMP RB 1	-	-	-
Color	visual	-	light-beige
Base	-	-	lithium
Consistency/NLGI grade	DIN 51818	-	2
Worked penetration Pw 60	DIN ISO 2137	0.1 mm	296
Dropping point	DIN ISO 2176	°C	192
Water resistance at + 50°C	DIN 51807 T. 1	-	0
Corrosion protection (SKF Emscor)	DIN 51802	-	0 - 0
Copper corrosion at + 100°C	DIN 51811	-	0
Oil separation 168 h/+ 40°C	DIN 51817	%	3.7

Subject to usual manufacturing tolerances

## Additional Information

- OPTITEMP RB 1 must not be mixed with other greases.
- Mixing with other greases may lead to decreased performance.

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Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK  
[www.castrol.com/industrial](http://www.castrol.com/industrial)