

Optitemp RB 2

Light-beige special grease for cable lubrication in robots

Description

Castrol OPTITEMP™ RB 2 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 2 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: -50°C/-58°F to +120°C/+248°F

Advantages

- 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

| Name | Method | Units | Optitemp RB 2 |
|---|------------------------|--------|---------------|
| Colour | Visual | - | light beige |
| Base oil | - | - | lithium |
| Worked Penetration (60 strokes @ 25°C / 77°F) | ASTM D217 / ISO 2137 | 0.1 mm | 265 - 295 |
| Dropping point | ASTM D566 / ISO 2176 | °C/°F | 190/374 |
| Water Resistance | DIN 51807-1 | Rating | 0 |
| Rust Test - EMCOR (distilled water) | ASTM D6138 / ISO 11007 | Rating | 0/0 |
| Copper Corrosion (24 hrs, 100°C / 212°F) | ASTM D4048 | Rating | 1 |
| Oil Separation (168 hrs @ 40°C / 104°F) | IP 121 / DIN 51817 | % wt | 3 |

Subject to usual manufacturing tolerances

Additional Information

- OPTITEMP RB 2 must not be mixed with other greases.
- Mixing with other greases may lead to decreased performance.

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