Product Data

Optitemp RB 2

Light-beige special grease for cable lubrication in robots

Description

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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