

## Optitemp LG 2 UV

Low-temperature grease, compatible with plastics

### Description

Optitemp™ LG 2 UV is a fully synthetic polyalphaolefin-based lithium grease. Specially developed for use at low temperatures and in high speed bearings at normal temperatures. Good compatibility with plastics and elastomers. Optitemp® LG 2 UV has an UV indicator to confirm effective grease delivery to the lubrication contact.

### Application

- Door lock cylinders and door locks in vehicle construction.
- Roller and slide bearings, transmission bearings and wheel hubs for long-term and lifetime lubrication at low temperatures.
- High speed bearings (Nd factor up to 1 million).
- Grease-lubricated sliding surfaces at temperatures from -50°C/-58 °F to + 120°C/+248 °F.

### Advantages

- Easy startup at low temperatures
- Compatible with plastics such as polyacetal (e.g. "Delrin") and polyamide (e.g. "Ultramid", "Nylon") and with elastomers on a synthetic basis (e.g. NBR, CR) and NR, also compatible with rubber. A test may be necessary before use.
- No effect on topcoat of paintwork as used in vehicle construction.
- Optimum protection against wear
- Good corrosion protection
- Extremely water-stable
- Can easily be illuminated using UV-lamp

## Typical Characteristics

Name	Method	Units	Optitemp LG 2 UV
Colour	Visual	-	Light-coloured
Base Oil	-	-	PAO
Thickner type	-	-	Lithium soap
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	265-295
Dropping point	ISO 2176 / ASTM D566	°C/°F	>180/356
Base Oil Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	48
Base Oil Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	8
Water Resistance	DIN 51807-1	Rating	0-1
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138 / DIN 51802	Rating	0/1
Flow pressure @ -35°C / -31°F	DIN 51805	mBar	500

Subject to usual manufacturing tolerances

## Additional Information

- Only half-fill bearings with Optitemp LG 2 UV.
- Observe bearing manufacturer recommendations.
- Remove old lubricant grease before filling.
- Please consult Castrol Technical Service for further information regarding compatibility with competitor products.

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