

## Castrol Optitemp OG 0

High performance grease for open gears with MICROFLUX TRANS™, the load-active additive combination

### Description

OPTITEMP™ OG 0 is a sprayable high performance grease with colloidal graphite. It is applied as an adhesive lubricant on open gears. The additive combination MICROFLUX TRANS adjusts to changing loads and actively prevents wear.

### Application

- As spray lubricant for open gears - especially in rotary tubular kilns and tube mills
- For crown gears of construction vehicles and other heavy-duty machines
- Temperature application range: - 30°C/- 22°F to + 120°C/+ 248°F (up to + 250°C/+ 482°F as solid lubrication)

### Advantages

- excellent adhesion
- special wear protection
- minimized friction due to the MICROFLUX TRANS additives
- very good pumpability
- can be easily sprayed via spraying systems (Lincoln/De Limon)
- resistant to unfavorable ambient conditions (humidity, dust, vibrations)
- excellent load carrying capacity when subjected to high permanent or shock loads
- extraordinary corrosion protection
- free of bitumen and solvents
- lowest consumption
- supports running-in of gears and smoothes gear surfaces
- smooth running

### Typical Characteristics

| Test                                 | Method       | Unit   | Value                                             |
|--------------------------------------|--------------|--------|---------------------------------------------------|
| CASTROL OPTITEMP OG                  | -            | -      | 0                                                 |
| Colour                               | visual       | -      | black                                             |
| Base                                 | -            | -      | aluminum complex / mineral oil / special graphite |
| Consistency/NLGI grade               | DIN 51818    | -      | 0                                                 |
| Worked penetration Pw 60             | DIN ISO 2137 | 0.1 mm | 370 - 385                                         |
| Density at + 20°C/+ 68°F             | DIN 51757    | kg/m³  | 904                                               |
| Base oil viscosity at + 40°C/+ 104°F | DIN 51562    | mm²/s  | 420                                               |
| Dropping point                       | DIN ISO 2176 | °C     | 135                                               |
|                                      |              | °F     | 275                                               |
| Flow pressure at - 20°C/- 4°F        | DIN 51805    | hPa    | 360                                               |
| Four ball test (seizure load)        | DIN 51350    | N      | 5000                                              |
| FZG special test (A/2.76/50)         | DIN 51354-02 | -      | > 12                                              |
| Failure load stage                   |              | -      |                                                   |
| DIN designation                      | -            | -      | OGPF 0 K-30                                       |

1 mm²/s  $\hat{=}$  1cSt

Subject to usual manufacturing tolerances

## Additional Information

- OPTITEMP OG 0 is automatically applied via a grease spraying device or manually with a spatula or brush.
- Very economical application due to the thin and even coat.
- Please consider the decline of friction in applications where a certain level of friction is desired and necessary e.g. at life rings of rotary kilns or wire ropes

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