Product Data

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 °F	135 275
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) Failure load stage	DIN 51354-02	-	> 12
DIN designation	-	-	OGPF 0 K-30

1 mm²/s ^ 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

Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial
www.castrol.com/industrial