

# COPAL EP 00



Grease

High temperature extreme pressure complex aluminium grease.

## APPLICATIONS

**Multi purpose heavy duty grease**

**Recommendation**

- **COPAL EP 00** is a grease formulated for use in industry, agriculture, civil engineering and other 'off road' applications.
- Typical applications include shock loaded bearings, heavily loaded transmission assemblies, traveling cranes, presses. Particularly suitable for a variety of industrial and civil engineering applications that work under severe conditions e.g. heavy loads and high temperatures.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## SPECIFICATIONS

- ISO 6743-9: L-XBDEB 00
- DIN 51502: KP00N-20

## ADVANTAGES

**Multi purpose EP  
No harmful substances  
Pumpability**

- Very good resistance to high loads and repeated shock loadings.
- Excellent thermal stability and reversibility.
- Good behaviour in presence of water.
- Very good adhesion to metals.
- Excellent pumpability due to the grease structure.
- **COPAL EP 00** does not contain lead, or other heavy metals considered harmful to human health and the environment.

TYPICAL CHARACTERISTICS	METHODS	UNITS	COPAL EP 00
Soap/thickener		-	Aluminium complex
NLGI grade	ASTM D 217/DIN 51 818	-	00
Color	Visual	-	Brown
Appearance	Visual	-	Smooth
Operating temperature range		°C	- 20 to 150
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	400 - 430
Four ball weld load	DIN 51 350-4	daN	220 - 240
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	rating	0 - 0
Dropping point	IP 396/DIN ISO 2176	°C	>200
Kinematic viscosity of the base oil at 40°C	ASTM D 445/DIN 51 562-1/ISO 3104/IP71	mm <sup>2</sup> /s (cSt)	165

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
Industrie & Spécialités  
18-11-2010 (supersedes 30-11-2004)  
COPAL EP 00  
1/1



This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.  
A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).