

Lubricating grease for heavy duty exploitation conditions
Calcium sulfonate complex lubricating grease ISO L-XCFIB 2/1

FORCAPLEX[®] CS-2P

FORCAPLEX CS-2: semi-synthetic calcium sulfonate complex lubricating grease, produced from the mixture of high quality synthetic oils (PAO and esters) and mineral base oil and functional additives. It is intended for heavy duty exploitation conditions.

ADVANTAGES

- It is resistant to high temperatures.
- High anti-wear resistance.
- Suitable for highly loaded bearings.
- Resistance to oscillations and vibrations.
- Shear stability.
- Good pumpability for automatic re-lubrication.
- Maintenance of a uniform lubricating film.

QUALITY LEVEL

ISO L-6743-9: L-X CFIB 2/1

DIN 51502: KP 2/1 P-30

SCOPE OF APPLICATION

- Mining
- Steel industry
- Forestry
- Paper industry

APPLICATION

- Lubrication of roller and sliding bearings and lubricating assembly blocks operating in non-standard conditions, where there are increased impact and uneven loads, significant influence of water, weak alkali solutions.
- Lubrication of parts when assembling isolated separated clamps where water-tightness and long-term stability at high and low temperatures are required.
- It is particularly intended for the lubrication of roller bearings in presses for the processing of biomass into biofuel - pellets.
- Lubrication of highly loaded bearings under the influence of high temperatures, steam, dust.
- Lubrication of rolling mill stands in the equipment of hot and cold rolling mills, on ships, in the forestry on presses for wood processing, in agriculture, etc.

- Temperature range of application: -30°C to +180 °C

TYPICAL CHARACTERISTICS

Characteristics	Units	FORCAPLEX CS 2P	Methods
Colour	-	BROWN	visual
Soap type/Thickener	-	Calcium-sulfonate complex	-
NLGI grade	-	2/1	DIN 51 818
Working penetration at 25°C, 60 cycles	mm/10	300-320	SRPS ISO 2137
Change of penetration at 25°C, 100 000 cyc.	%	5	SRPS ISO 2137
Dropping point	°C	> 300	ASTM D 2265
Kinematic viscosity of base oil at 40°C	mm ² /s	ca 270	SRPS ISO 3104
Oxidation stability, 100h/100°C	kPa	30	ASTM D 942
Oil separation: ◆ 18h/40°C ◆ 168h/40°C	%	0,5 2	BS 2000/121
Oil separation: ◆ 18h/100°C ◆ 168h/100°C	%	3 6	FTMS 791m. 321
Water washout, 1h/79,4 °C	%	1	ASTM D 1264
EMCOR test,168h: ◆ Dist. water ◆ Salty water (3% m/m NaCl)	rating	0/0 0/0	DIN 51802
Average wear diameter	mm	0,45	ASTM D 2266
Weld load	N	8000	ASTM D 2596
Flow pressure: ◆ -20°C ◆ -30°C	mbar	500 1200	DIN 51 805
Temperature of application	°C	-30 to +180	

STORAGE

Store in a covered area, protected from direct influence of sun and moisture, away from the ignition source. Recommended storage temperature: - 5°C to +25°C.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Cans of (0,8, 4 and 20) kg and tin drums of 180 kg.

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.