

“Heavy Duty” lubricating grease for food industry
Calcium sulfonate complex lubricating grease ISO L-XCFIB 2

FORCAPLEX[®] CS 2 FG

FORCAPLEX CS 2 FG: Synthetic „heavy duty“ lubricating grease, produced on the basis of calcium sulphonate complex, synthetic base oil and functional additives: EP against aging and corrosion. It is intended for extremely difficult conditions of exploitation.

ADVANTAGES

- Possibility of lubrication of parts of the equipment where there is possibility of incidental food contact.
- Mechanical stability contributes to the reduction of lubricating grease consumption.
- Improved EP properties extend the lifetime of the bearings in conditions of extremely high and impact loads.
- It protects the equipment from rust even in dynamic load in the presence of water.
- It forms a stable and uniform lubricating film in the range of high temperatures.

QUALITY LEVEL

ISO 6743-9: L- XCFIB 2

DIN 51502: KP 2P-30

FORCAPLEX[®] CS 2 FG

NSF-Registered, code H1, Reg.No.156228



SCOPE OF APPLICATION

- Food industry
- Paper industry
- Production of pellets for animal food and food for pets
- Other industries where there is a possibility of grease contact with food

APPLICATION

- Lubrication of roller and sliding bearings and lubricating assembly blocks
 - Multi-purpose grease for the lubrication in extremely difficult working conditions
 - High temperature, uneven loads, significant effect of water, dust, vapour
 - Lubrication of roller bearings on presses for the production of animal food pellets where there is a possibility of contact with food
 - Lubrication of loaded bearings operating at constant high temperatures over 160°C and the significant effect of vapour
 - Lubrication of bearings on conditioners for drying sunflower, soybean and rapeseed in factories for the production of edible vegetable oils
-
- Temperature range of application: -30°C to +180 °C

TYPICAL CHARACTERISTICS

Characteristics	Units	FORCAPLEX CS 2FG	Methods
Colour		ochre	visual
Soap type/ Thickener	-	Calcium-sulfonate complex	-
NLGI grade	-	2	DIN 51 818
Working penetration at 25°C , 60 cycles	mm/10	265-295	SRPS ISO 2137
Change of penetration at 25°C, 10 000 cycles	%	4,5	SRPS ISO 2137
Dropping point	°C	>310	ASTM D 2265
Kinematic viscosity of base oil at 40°C	mm ² /s	ca 400	SRPS ISO 3104
Oil separation 30h /100°C		0,5	BS 2000/121
Water washout, 1h/79,4°C	kPa	0,10	ASTM D 1264
EMCOR test 168 h /dist. water	rating	0/0	DIN 51802
Average wear diameter	mm	0,45	ASTM D 2266
Weld load	N	4000	ASTM D 2596
Temperature of application	°C	-30 do +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, tin drums of 180 kg and according to customer requirements.

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

