

## **Calcium sulfonate complex lubricating grease with $MoS_2$ ISO L-XCFIB 2**

# **FORCAPLEX CS-2MSF**

FORCAPLEX CS-2MSF is high-performance lubricating grease, produced from highly viscous refined base oils, calcium sulfonate complex, EP additive and molybdenum disulfide.

### **ADVANTAGES**

- Extraordinary mechanical stability.
- High load carrying capacity.
- Excellent protection of the lubricating assembly from wear and seizing.
- Excellent lubrication in conditions of extreme and significant impact loads.
- Exceptional stability at high temperatures.
- Excellent dynamic resistance to water.
- Low volatility at high operating temperatures.

### **QUALITY LEVEL**

ISO 6743-9: L-XCFIB 2

DIN 51502: KPF 2R-30

### **SCOPE OF APPLICATION**

- Automotive industry
- Mining
- Construction equipment
- Technological machines
- Transportation means

### **APPLICATION**

FORCAPLEX CS-2MSF, lubricating grease is applied for the lubrication of:

- sliding and roller bearings and lubricating assembly blocks operating in non-standard and difficult conditions, where impact and uneven loads are increased;
- cylindrical bearings, clamps on control mechanisms of motor vehicles, joints, cardans, threaded spindles, jaw couplings and other assemblies;
- equipment that is exposed to dynamic loading and impact of water;
- open and closed gears working in harsh conditions and at high temperatures;
- in systems with individual lubrication;
- for high temperature operating conditions.

It is especially suitable for the lubrication of loaded roller and sliding bearings as well as for constant velocity joints.

- Temperature range of application: - 30°C to 180°C short-term up to 220°C

## TYPICAL CHARACTERISTICS

Characteristics	Units	FORCAPLEX CS-2MSF	Methods
Colour		black	visual
Soap type/Thickener		Calcium-sulfonate complex	-
NLGI grade	-	2	DIN 51818
Working penetration at 25°C , 60 cycles	mm/10	280	SRPS ISO 2137
Change of penetration after 10 000 cycles	%	6	SRPS ISO 2137
Change of penetration, rolling, 2h/25 °C	%	6	ASTM D 1831
Dropping point	°C	>300	ASTM D 2265
Kinematic viscosity of base oil at 40°C	mm <sup>2</sup> /s	ca 460	SRPS ISO 3104
Oxidation stability, 100h/100°C	kPa	30	ASTM D 942
Oil separation, 168h/100°C	%	4	BS 2000/121
Water washout, 1h/79,4 °C	%	2	ASTM D 1264
Water resistance, 3h/90°C	rating	0	DIN 51807-1
EMCOR test,168h, dist. water	rating	0/0	DIN 51802
Average wear diameter	mm	0,5	ASTM D 2266
Weld load	N	8000	ASTM D 2596
Temperature of application	°C	- 30 to +180, short-term up to 220	

## 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.

