

# CERAN XM 220 Moly



Grease



Extreme-pressure calcium sulfonate complex grease containing 5% of MoS<sub>2</sub>

## APPLICATIONS

Moderate climates  
Extreme Pressure  
Mining applications

- CERAN XM 220 Moly is a mineral oil , heavy duty, extreme pressure grease containing 5% of MoS<sub>2</sub>.
- CERAN XM 220 Moly is designed for mining applications in temperate environments.
- CERAN XM 220 Moly is recommended for the lubrication of **slow moving bearings** and loaded rolling element bearings subject to shock loads and high temperatures.
- CERAN XM 220 Moly is suitable for the lubrication of all kinds of components subject to high loads, shocks, working in conditions where the grease is in frequent contact with water (even sea water due to enhanced antirust performances).
- 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-XBFIB 1/2
- DIN 51 502: KPF1/2R -30

## ADVANTAGES

High loads  
Shock loads  
Anti corrosion  
Water resistant

No harmful substances

- CERAN XM 220 Moly has a good pumpability at ambient temperatures.
- Excellent thermal stability. It regains its original texture after cooling to ambient temperature.
- Remarkable load resistance thanks to its naturally high extreme pressure, anti-wear properties and the presence of MoS<sub>2</sub>.
- Extraordinary water resistance, no significant loss of consistency is observed even with high amounts of water entering the grease.
- Excellent anti-oxidation and anti-corrosion properties thanks to the very nature of the calcium sulfonates, also in the presence of sea water.
- CERAN XM 220 Moly does not contain lead, or other heavy metals considered harmful to human health and the environment.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN XM 220 Moly
Soap/thickener		-	Calcium sulfonate
NLGI grade	ASTM D 217/DIN 51 818	-	1 - 2
Color	Visual	-	Black
Appearance	Visual	-	smooth and bright
MoS <sub>2</sub> content		%	5
Operating temperature range		°C	- 30 to 180
Penetration at 25°C	ASTM D 217/DIN51 818	0.1 mm	270 - 310
Four ball weld load	ASTM D 2596	kgf	500
Anti-rust performance SKF- EMCOR	DIN 51 802/IP220/NFT 60-135/ISO 11007	Rating	0 – 0
Flow pressure at 1400 mbar	DIN 51805	°C	-30
Dropping point	IP 396/NFT 60 102C	°C	> 300
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)	220

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
INDUSTRIE  
19-03-2014  
CERAN XM 220 Moly  
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).