



# CERAN XM 220 Moly

## DESCRIPTION

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

## SPECIFICATIONS

ISO 6743-9: L-XCFIB 1/2

DIN 51 502: KPF1/2R -30

## 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).

## ADVANTAGES

**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.

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. can be obtained from your local commercial adviser or down loaded at [ms-sds.totalenergies.com](http://ms-sds.totalenergies.com)

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.

## RECOMMENDATIONS

Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## TYPICAL CHARACTERISTICS

TYPICAL CHARACTERISTICS	METHODS	UNITS	CERAN XM 220 Moly
Soap/thickener		-	Calcium sulfonate Complex
NLGI grade	ASTM D 217/DIN 51 818	-	1 - 2
Color	Visual	-	Black
Appearance	Visual	-	smooth and bright
MoS2 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	ISO 11007	Rating	0 – 0
Flow pressure at 1400 mbar	DIN 51805	°C	-30
Dropping point	IP 396	°C	> 300
Kinematic viscosity of the base oil at 40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	220

Above characteristics are mean values given as an information.

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