



CERAN XS 320

DESCRIPTION

Low temperature synthetic calcium sulfonate complex grease - Extreme-pressure.

SPECIFICATIONS

ISO 6743-9: L-XCFFB 1/2

DIN 51 502: KP1/2R -35

APPLICATIONS

CERAN XS 320 is a synthetic heavy duty extreme pressure grease, specially designed for applications working under low temperatures conditions and heavy loads.

CERAN XS 320 is pre-eminently suitable for lubrication of industrial, and 'heavy duty' off-road applications working in low temperature environments.

CERAN XS 320 is also used as a protection grease.

ADVANTAGES

Thanks to its very sophisticated formula and the use of synthetic base oil, **CERAN XS 320** performs well at very low as well as high temperatures.

Excellent thermal stability. It regains its original texture after cooling to ambient temperature.

Remarkable load resistance thanks to its naturally high extreme pressure and anti-wear properties.

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 XS 320 does not contain lead, or other heavy metals considered harmful to human health and the environment.

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

RECOMMENDATIONS

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

TYPICAL CHARACTERISTICS

PROPERTIES	METHODS	UNITS	CERAN XS 320
Soap / Thickener		-	Calcium Sulfonate Complex
NLGI grade	ASTM D 217/DIN 51 818	-	1-2
Color	Visual	-	Light brown
Appearance	Visual	-	Smooth
Operating temperature range		°C	-35 to 180
Penetration at 25°C	ASTM D 217/DIN 51 818	0.1 mm	280-310
Four ball weld load	ASTM D 2596	kgf	500
Anti-rust performance SKF-EMCOR	ISO 11007	Rating	0-0
Flow pressure 1400 mbar	DIN 51805	°C (mbar)	-35
Torque at -30°C			
- At start	ASTM D1478	mN.m	624
- After 1h running		mN.m	72
Dropping point	IP 396	°C	>300
Kinematic viscosity of the base oil at 40°C	ASTM D 445	mm ² /s (cSt)	320

Above characteristics are mean values given as an information.

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