TECHNICAL INFORMATION

ULTRAPLEX MCS (RANGE)

EXTRA EP CALCIUM SULPHONATE GREASE

DESCRIPTION

Grease made of high viscosity mineral base oil thickened with calcium sulphonate. The special characteristics of this complex thickener yield excellent anticorrosive and extreme-pressure properties. Additional special additives are added to improve its load carrying capacity.

APPLICATIONS

It is specially indicated for lubrication of bearings, open gears, gearboxes, gear couplings, wire ropes and other mechanical components under **heavy loads** working in **adverse environmental conditions.**

Due to its special properties it gives high protection of the mechanisms in all type of industries: mining, earth movement, shipping and harbor, steel, cement, automotive, paper, food, pellet presses, etc.

PROPERTIES

- Excellent load carrying capacity.
- High protection against corrosion of metal parts and high resistance to water washing.
- High stability to mechanical work even under severe operating conditions.
- Extraordinary adherence that ensures the protection of the mechanisms under high loads and the presence of water.
- Due to its high dropping point and highly refined base oil it can work at temperatures from -20 to +180ºC.
- High resistance to ageing.

QUALITY LEVEL

- ISO-L-XBEIB 1 / - ISO-L-XBEIB 2

TECHNICAL CHARACTERISTICS

	Method	Typical values		Units
		MCS 1	MCS 2	
Appearance	-	Orange- amber transparent grease		-
Penetration at 25°C	ASTM D-217	320	285	mm x 10^{-1}
Penetration at 25ºC after 10^4 strokes	ASTM D-217	333	295	mm x 10^{-1}
NLGI Consistency	ISO 2137	1	2	-
Dropping point	ASTM D-566	> 300	> 300	°C
Base oil viscosity at 40ºC	ASTM D-445	460	460	mm^2/s
Wear scar, 4 ball test	ASTM D-2266	0,31	0,27	mm
Welding load, 4 ball test	ASTM D-2596	620	620	Kg
Water spray off, weight loss	ASTM D-4049	18	11	%
Salt spray corrosion test	ASTM B-117	> 1000	> 1000	hours
Corrosion protection	ASTM D-1743	pass	pass	
Copper corrosion 24h a 100ºC	ASTM D-4048	1a	1a	-
Oil separation (42h 25ºC)	IP-121	0,12	0,08	%

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The information provided in this document is based upon our best knowledge at the date of revision indicate, and is subject to changes without prior notice. Such information does not release the user from testing the product in their own application. The data indicated represent average values and do not constitute product specifications. For more information please contact COGELSA Technical Support. COGELSA is not liable for damages caused by improper use of the product.

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