COGELSA®
EFFICIENT LUBRICATION

TECHNICAL INFORMATION

ULTRAPLEX ALX (RANGE)

HIGH PERFORMANCE GREASE FOR HEAVY DUTY SERVICE

DESCRIPTION

Grease made of blend of synthetic and mineral base, aluminum complex, **EP** (Extreme Pressure) additives and molybdenum disulfide.

APPLICATIONS

Specially indicated for the lubrication of mechanisms under **heavy loads, slow and/or oscillating movements**, working in **adverse environmental conditions**, as for example:

- Pins and bearings in agricultural, mining and civil work mobile equipment.
- Sliding open mechanisms like fifth wheel in trucks, drilling equipment, etc.
- Bearings in steel and paper industry, subjected to high loads, contamination and water.

ULTRAPLEX ALX 461 can be used as an alternative to **ULTRAPLEX ALX 2** for outdoor application during winter time because softer consistency and better pump ability at lower temperatures.

PROPERTIES

- Extraordinary adherence
- High emergency lubrication properties do to high content of molybdenum disulfide.
- Increased load carrying capacity to avoid component wear.
- Service temperature about 200ºC in short periods and 150 – 160ºC as working temperature.
- High resistance to aging.
- High corrosion protection.
- Excellent resistance to water washing.
- Big sealing capacity that protects components from the entrance of contaminants.
- Can be used in central lubrication systems due to its tixotropic properties, although it is recommended to run the necessary trials due to its high adherence.

QUALITY LEVEL:

ISO – L – XCGIB 1 / - ISO – L – XCGIB 2

CARACTERÍSTICAS TÉCNICAS

	Method	Typical values		Un.
ULTRAPLEX ALX		**461**	**2**	-
Appearance	Dark grey grease			
Consistency NLGI	ISO 2137	1	2	-
Penetration at 25 ºC	ASTM D-217	325	290	mm^{-1}
Base oil viscosity at 40 ºC	ASTM D 445	460	1000	mm^2/s
Dropping point	ASTM D 566	243	242	ºC
Four ball wear test, 400N, 75ºC, 1 hour	ASTM D 2266	0,59	0,58	mm
Welding load, 4 ball test	ASTM D 2596	400	400	kg
Water spray-off	ASTM D 4049	9,6	2,7	%
Operation temperature range*	-	-30 to +160		ºC

*Operation temperature of the grease in the mechanical component. It should be verified that lubricant application system and relubrication intervals are suitable at specified temperatures.

REV:10/20

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