COGELSA®
EFFICIENT LUBRICATION

TECHNICAL INFORMATION

ULTRADRY 320

GRAPHITE DISPERSION FOR HIGH TEMPERATURE LUBRICATION

DESCRIPTION

ULTRADRY 320 is micronized graphite dispersion in a synthetic fluid with high adherence and lubricant capacity at high temperatures.

APPLICATIONS

ULTRADRY 320 acts as liquid phase lubricant until temperatures of 250ºC. From this temperature the synthetic fluid carrier evaporates leaving a thin dry graphite layer that warrants an excellent lubrication up to +450ºC. Above +450ºC in presence of oxygen, graphite starts conversion to carbon dioxide gas without leaving any residue. This process of thermal oxidation continues until 600ºC when combustion takes place.

ULTRADRY 320 can be used for lubrication of chains, bearings, sliding surfaces, supporting rings, etc., at temperatures up to +450ºC, being able to reach +600ºC with enough relubrication to replace graphite converted to carbon dioxide. ULTRADRY 320 can find applications in conveyors systems and rotator kilns in cement, steel, mining and other industries.

PROPERTIES

- Stable dispersion, does not settle down with time, maximum application facility.
- High adherence and affinity to metallic surfaces. Avoids dripping and splashing of the product. Maximum profitability in the application and cleanliness in use.
- Low friction coefficient. Excellent wear protection capacity of metallic surfaces in contact under high loads and oscillatory movements.
- Effective lubrication in a wide temperature range: from -15ºC up to +600ºC (with enough relubrication as commented in “Applications” paragraph).

Notes for use:

Clean surfaces to be lubricated before first application of product. Avoid application excess of product. Regulate applied quantity to obtain a thin dry graphite layer.

TECHNICAL CHARACTERISTICS

	Units	Typical values	Method
Appearance	-	Black viscous fluid	-
Density at 15 ºC	gr/cm^3	0,952	ASTM D 1298
Dynamic viscosity at 25ºC	cP	2235	ASTM D-2983
Viscosity at 40 ºC	mm^2/s	334	ASTM D 445
Viscosity at 100 ºC	mm^2/s	25,29	ASTM D 445
Viscosity Index	-	98	ASTM D 2270
Pour point	ºC	-23	ASTM D 97
Flash point	ºC	220	ASTM D 92
Welding load, 4 ball test	kg	315	ASTM D-2783

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