magnus

PRODUCT SHEET

CAL 920

CONTINUOUS CASTING LUBRICANT

CAL 920 is a new generation, fully biodegradable fluid, used as a lubricant in metal forming operations, such as vertical or horizontal continuous casting of aluminum and magnesium.

CAL 920 is differentiated from common lubricants based on vegetable oils, by its tight molecular distribution. As a result, each lot of CAL 920 is consistent, and parameters of casting are not changed due to fluctuations in lubricant properties. Tight molecular distribution also results in a significant reduction of fluid used during casting, which is extremely advantageous, especially for casting in a closed circuit (use of cooling towers).

Also, CAL 920 is ecologically safe because of its biodegradability.

FEATURES

- Does not contain mineral oil or animal fat
- Oxidation is not likely to occur, since varnish does not form on casting tables
- Is compatible with micro-porous graphite rings
- Increases the quality of the surface finish of billets and ingots
- Diminishes lubricant discharges into the environment and is ecologically acceptable.
- Non regulated product
- Economical to use since minimal quantity is required

Consult the appropriate material safety data sheet

APPLICATION

CAL 920 is a high-performance lubricant to be used in very low quantity when extremely thin films are required. Due to its high boiling point, lubrication properties are maintained at high temperature.

CAL 920 can be easily filtered, in the event that exterior contaminants, which might affect its purity and performance, are unintentionally introduced into the product.

Indoor storage is recommended, at temperatures above 10°C and below 60°C.

It is a good casting practice to have a temperature controlled holding tank to maintain the viscosity of the casting fluid.

TECHNICAL DATA

Appearance: amber liquid

Odor : Light

Specific gravity: 0.925

Flash point: 246°C (475°F)

Boiling point: > 250°C

Saponification value: 177

Pour point: -20°C

Freeze/thaw: Remix if product has been frozen

Viscosity at 40°C (104°F):

55 - 65 cSt,

Viscosity at 100°C (212°F): 10 - 12 cSt,

Viscosity index: 149

For information 1 800 363 9929

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