

# EMPATEM CC-30 GS



INDUSTRY

## Lubricants

### Description

An hydrogenated base oil (from Hydrocracking) with special additives that provide the properties required in continuous steel casting. Empatem CC-30 GS is particularly suitable for lubricating the extraction from the mould of cast steel prepared in the crucible in cases where minimum carbonaceous residue is needed.

### Properties

- Provides a good finish on the ingots.
- Minimum sulphur content, meaning that possible toxicity of machine operators is avoided, as is corrosion of the moulds.
- Very low aromatic content, thus reducing bothersome smoke.
- Good lubricating power for the requirements it is subject to.
- Minimum losses due to volatility.
- Low tendency to form carbonaceous residue.

### Technical specifications

	UNIT	METHOD	VALUE
Appearance		Visual	Glossy and transparent
Colour		ASTM D 1500	1.5
Density at 15 °C	g/mL	ASTM D 4052	0.840
Viscosity at 40 °C	cSt	ASTM D 445	32
Viscosity at 100 °C	cSt	ASTM D 445	6
Viscosity index		ASTM D 2270	135
Flash point O/C	°C	ASTM D 92	225
Aniline point	°C	ASTM D 611	95
Pour point	°C	ASTM D 97	-20
Saponification index	mg KOH/g	ASTM D 94	14
Noack volatility, 1h at 150 °C		DIN 51581	2
Carbon Ramsbottom	%	ASTM D 524	0.02
Cu Corrosion, 3h at 100 °C		ASTM D 130	1a

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 2. December 2008.