



MAKER EMPATEM CC 30 GS

Description

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 | Clear and bright |
| Colour | - | ASTM D1500 | 1.5 |
| Density at 15 °C | g/mL | ASTM D4052 | 0.840 |
| Viscosity at 40 °C | cSt | ASTM D445 | 32 |
| Viscosity at 100 °C | cSt | ASTM D445 | 6 |
| Viscosity index | - | ASTM D2270 | 135 |
| Flash point, open cup | °C | ASTM D92 | 225 |
| Aniline point | °C | ASTM D611 | 95 |
| Pour point | °C | ASTM D97 | -20 |
| Saponification index | mg KOH/g | ASTM D94 | 14 |
| Noack volatility, 1h at 150 °C | % | DIN 51581 | 2 |
| Ramsbottom carbon | % | ASTM D524 | 0.02 |
| Corrosion Cu, 3hrs 100 °C | - | ASTM D130 | 1a |

The above mentioned characteristics are typical values and should not be considered product specifications.