

CSF 10

Inoculation Alloys

Application

CSF 10 is used as an inoculant for cast iron with lamellar graphite and cast iron with nodular graphite. When inoculating cast iron with lamellar graphite, an effective inoculation also occurs through the formation of cerium sulfides or oxides. When inoculating cast iron with nodular graphite, CSF 10 is also responsible for the neutralization of harmful trace elements, especially when working with FeSiMg alloys free of rare earths.

Reference analysis

% Si	36 - 45
% SE	9 - 15
% Al	approx. 0.8
% Ca	0.4 – 1.0
% Fe	residual

Added amounts

The amount added during the inoculation of cast iron with lamellar graphite is around 0.05 – 0.2%. During the inoculation of cast iron with nodular graphite an inoculant amount of 0.1 – 0.25%, is recommended, depending the area of application.

Grain sizes

0.124 - 0.7 mm* (Pouring stream inoculation)
0.6 - 2 mm (Ladle inoculation)

* In this grain size, the Si content is somewhat below the value indicated above.

Packaging

- 25 kg paper sacks on pallet
- 100 kg steel drum on pallet
- 1000 kg super sack on pallet

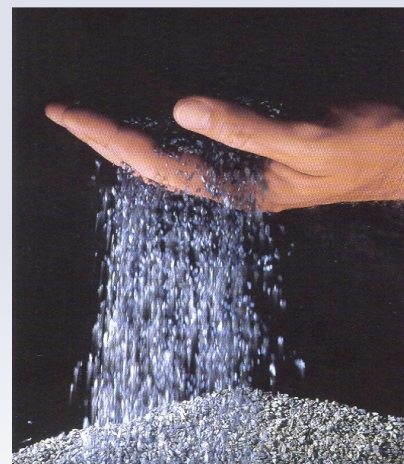
The containers are covered with a protective film.

Shelf life and transport

CSF 10 can be stored indefinitely in its original packaging. The effects of humidity are to be avoided. Relevant hazardous substance regulations must be complied with. Our Shipment Handling department can provide further information. CSF 10 is not a hazardous substance as defined by transport regulations.

Technical properties & economic benefits:

- Good dissolving behavior
- Good inoculation effect
- Neutralization of detrimental elements
- Low consumption
- Uniform graphite precipitation
- Avoidance of carbides
- Improvement of mechanical properties



Product Management Metallurgy

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