

SRF 75

Inoculation Alloys

Application

SRF 75 is a highly effective inoculant for the production of cast iron with lamellar graphite and nodular graphite. The SRF 75 is based on FeSi 75 with extremely low aluminum and calcium content. The inoculant has also proven highly effective in the production of cast iron with vermicular graphite. The inoculation effectiveness is achieved with the strontium content of the alloy. When using SRF 75 for the production of cast iron with nodular graphite, it must be ensured that products with low contents of calcium and rare earth metals are used during melting, desulfurization and treatment.

Reference analysis

% Si	73 – 76
% Sr	0.6 – 0.9
% Ca	max. 0.1
% Al	max. 0.5
% Fe	residual

Addition rates

The amount added depends on the inoculation method and is usually around 0.05 – 0.25% by weight.

Sizing

0.2 – 0.7 mm	(In stream inoculation)*
0.6 – 2 mm	(Ladle inoculation)
2 – 6 mm	(Ladle inoculation)

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

Packaging

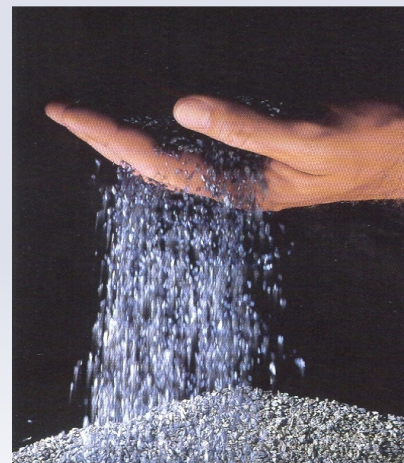
- 25 kg paper sacks on pallet
 - 150 kg steel drum on pallet
 - 1000 kg super sack on pallets
- The containers are covered with a protective film.

Shelf life and transport

SRF 75 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. SRF 75 is not a hazardous substance as defined by transport regulations.

Technical properties & economic benefits:

- High inoculation effect
- Low Al and Ca values
- Low addition rates
- Uniform graphite precipitation
- Improved mechanical properties
- Application also for GJV production



Product Management Metallurgy

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The data in this information sheet corresponds to the current state of our knowledge and is intended to provide information on our products and their potential applications. It is not therefore sufficient to assure certain properties of the products or their suitability for a concrete intended use, and does not contain any complete instructions for use. It also does not represent any guarantee of condition and durability and the user is not exempted from testing the suitability and potential applications for the intended purpose. Any extant intellectual property rights must be taken into account. The Environment and Quality Management of ASK Chemicals Metallurgy GmbH is certified and fulfills the requirements of ISO 14001 and ISO 9001. This information sheet shall cease to be valid if a new version is issued.

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