

LC GRAPHIDOX

Inoculation Alloys

Application

The elements titanium and calcium provide a graphitizing and deoxidizing effect for cast iron with lamellar graphite. In addition, the titanium contained in the LC Graphidox reacts with the nitrogen in the molten metal. The soluble nitrogen is thus ineffective, minimizing the possibility of nitrogen porosity.

Reference analysis

% Si	50 – 55
% Ti	9 – 11
% Ca	approx. 1
% Al	approx. 1
% Fe	residual

Addition rate

Addition rate for ladle inoculation is approx. 0.1 – 0.2% by weight.

Sizing

0.124 – 0.7 mm	(In stream inoculation)
0.3 – 6 mm	(Ladle inoculation)

Packaging

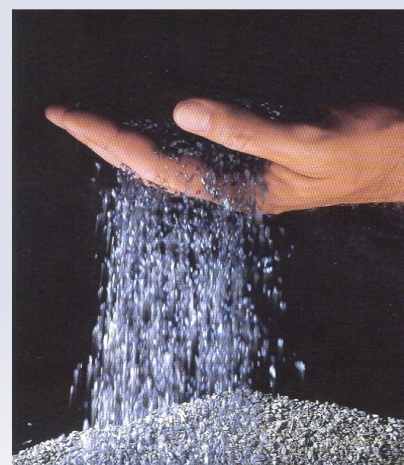
- 25 kg paper sacks on pallet
 - 150 kg steel drums on pallet
 - 1000 kg super sacks on pallets
- The containers must be covered with a protective film.

Shelf life and transport

LC Graphidox 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. LC Graphidox is not a hazardous substance as defined by transport regulations.

Technical properties & economic benefits:

- Reduction of the free nitrogen content
- Graphite forming effect
- Micro-alloying with titanium
- Low consumption
- Uniform graphite precipitation
- Improved mechanical properties



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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Impflegierungen

