



FeSiMg ALLOYS - NODULATOR -SANDWICH

Date of issue: 01 Sept 1995

Modification: 06

Date of validity: 23 Apr 2015

1. PURPOSE OF USE

It is used for the production of grey cast iron with spheroidal graphite.

2. GENERAL QUALITY REQUIREMENTS

Conformity with the manufacturer's catalogue.

3. PROPERTIES OF MATERIAL

Nodulator must be based on FeSiMg with an addition of Ca and rare earth (CeMM).

4. PACKAGING, PACKING AND TRANSPORT

Shipment must be labelled with manufacturer's designation, name, date of production and net weight. Transport must be protected against the atmospheric impacts.

5. WARRANTY OF QUALITY

For each shipment, the quality assurance certificate is required by batches, regarding the:

- granulation
- Ca content
- Si content
- Mg content
- Al content
- La content
- RE content

6. MANNER OF ACCEPTANCE

Nodulator will be accepted by the acceptance control of LIVAR according to the prescribed quality characteristics in certificate.

7. CONTROL PROCEDURE

Chemical and sieve analysis is conducted in case of doubt in the correctness of statements in the certificate. The acceptance control provides for quality verification at a verified external institution.

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8. MANNER OF MEASUREMENT**QUALITY CHARACTERISTICS, VALUE, MANNER OF MEASUREMENT**

NAME: NODULATOR (Sandwich)

QUALITY CHARACTERISTIC	VALUE	MANNER OF VERIFICATION
Si content	(44.0 - 48.0) %	Certificate
Mg content	(6,8 - 7,5) %	Certificate
Ca content	2.2 - 2.7 %	Certificate
Al content	max. 1.0 %	Certificate
RE content	1,0 – 1,3 %	Certificate
Granulation	(4-25) mm	Certificate