

**FeSiMg ALLOYS - NODULATOR - WIRE**

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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 rare earth (CeMM) packed in wire.

4. PACKAGING, PACKING AND TRANSPORT

Shipment must be labelled with manufacturer's designation, name, date of production and net weight. Packing must be on steel palets with cage. Wire must be coiled horizontal and wrapped in foil. 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:

- Diameter of the wire
- Weight of filler
- Si content
- Mg content
- RE content

6. MANNER OF ACCEPTANCE

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

7. CONTROL PROCEDURE

Quantity of filler and chemical 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.

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

NAME: NODULATOR – WIRE

QUALITY CHARACTERISTIC	VALUE	MANNER OF VERIFICATION
Diameter of the wire	13 mm	Certificate
Weight of filler	245 – 263 g/m	Certificate
Si content	43 -46 %, 107 – 113 g/m	Certificate
Mg content	23 - 26 %, 57 – 63 g/m	Certificate
RE content	0,8 – 1,2 %, 2 – 3 g/m	Certificate