

**CARBURIZING AGENT FOR GREY CAST IRON**

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1. PURPOSE OF USE

It is used as an agent for carbonisation of grey cast iron in electric induction furnaces.

2. GENERAL QUALITY REQUIREMENTS

Conformity with the manufacturer's catalogue.

3. PROPERTIES OF MATERIAL

Carburizing agent for grey cast iron must have good solubility at a temperature to 1400 °C, meaning that it must be completely dissolved at this temperature. Granulation must be within the limits from 0 - 6 mm, with max. moisture of 0.3 %. Efficiency must be min. 85 %.

4. PACKAGING, PACKING AND TRANSPORT

Carburizing agent for grey cast iron should be packaged in 30-kg paper bags, labelled with manufacturer's designation, batch number, net weight and date of production. Transport on pallets must be protected against the atmospheric impacts.

5. WARRANTY OF QUALITY

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

- C content
- S content
- Ash
- Volatile
- Moisture
- Granulation

6. MANNER OF ACCEPTANCE

Carburizing agent for grey cast iron will be accepted by the acceptance control of LIVAR.

7. CONTROL PROCEDURE

In case of any dispute regarding quality, chemical analyses are conducted by external institutions.

8. MANNER OF MEASUREMENT

QUALITY CHARACTERISTICS, VALUE, MANNER OF MEASUREMENT

NAME: CARBURIZING AGENT FOR GREY CAST IRON

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
C content	min. 90 %	Certificate
S content	max. 1.3 %	Certificate
Ash	max. 2.0 %	Certificate
Volatile	max. 0.8 %	Certificate
Granulation	0 - 6 mm	Certificate + visual inspection