

**SILICON CARBIDE (SiC) BRIQUETTES**

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1. PURPOSE OF USE

It is used for adding silicon and carbon into the cupola furnace in the production of grey and nodular cast iron.

2. GENERAL QUALITY REQUIREMENTS

Conformity with the manufacturer's catalogue.

3. PROPERTIES OF MATERIAL

Briquettes have been pressed out of SiC with an addition of binder. A briquette must contain the prescribed quantities of Si and C.

4. PACKAGING, PACKING AND TRANSPORT

Briquettes are delivered folded on pallets and protected from atmospheric impacts.

5. WARRANTY OF QUALITY

For each shipment, the quality assurance certificate is required for each batch.

6. MANNER OF ACCEPTANCE

SiC briquettes will be accepted by the acceptance control of LIVAR.

7. CONTROL PROCEDURES

In case of problems in the production caused by poor material, analysis is conducted by an external institution.

8. MANNER OF MEASUREMENT

QUALITY CHARACTERISTICS, VALUE, MANNER OF MEASUREMENT

NAME: SiC BRIQUETTES with basalt IVG

QUALITY	VALUE	MANNER OF VERIFICATION
CHARACTERISTICS		
Si content	Min. 1 kg / briquet	Certificate
C content	4 – 6 %	Certificate
S content	< 0,4 %	Certificate
SiO ₂ content	15 - 20 %	Certificate
CaO content	10 – 12 %	Certificate
Al ₂ O ₃ content	Min. 2 %	Certificate
Alkalinity	0,5 – 0,8	Certificate
Briquette mass	3 kg ± 0,2 kg	Certificate, weighing

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CaO content	10 – 12 %	Certificate
Al ₂ O ₃ content	0,8 - 1 %	Certificate
Alkalinity	0,5 – 0,8	Certificate
Briquette mass	3 kg ± 0,2 kg	Certificate, weighing