



## **PIG IRON for NODULAR GREY CAST IRON**

Date of issue: 01 Sept 1995

Modification: 03

Date of validity: 01 Dec 2006

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### **1. PURPOSE OF USE**

It is used as an insert in the production of nodular grey cast iron in cupola furnaces.

### **2. GENERAL QUALITY REQUIREMENTS**

Conformity with the quality specification.

### **3. PROPERTIES OF MATERIAL**

Weight and shape should be suitable for charging.

### **4. PACKAGING, PACKING AND TRANSPORT**

Pig iron is in the shape of loafs with average weight of 10 kg and max. weight of 20 kg in bulk. The defined location on the packaging must be equipped with a waybill that includes the designation of pig iron manufacturer, name, batch number, net weight and date of production.

### **5. WARRANTY OF QUALITY**

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

- C content
- Si content
- Mn content
- P content
- S content

### **6. MANNER OF ACCEPTANCE**

Pig iron will be accepted by the acceptance control of LIVAR.

### **7. CONTROL PROCEDURE**

In case of each shipment, a chemical analysis is conducted at the Livar laboratory, and the weight and shape of blocks is checked.

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

NAME: PIG IRON FOR NODULAR CAST IRON

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
C content	min. 3.60%	Labor. analysis
Si content	0.80 - 1.20% (S 110)	Labor. analysis
Si content	max. 1.00 % (F 10)	Labor. analysis
Mn content	max. 0.060 %	Labor. analysis
P content	max. 0.050 %	Labor. analysis
S content	max. 0.02 %	Labor. analysis
Cr content	max. 0.050%	Labor. analysis
Block weight	max. 20 kg	Weighing