

**SHEET METAL, CLASS I**

Date of issue: 01 Sept 1995

Modification: 06

Date of validity: 09. March 2018

1. PURPOSE OF USE

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

2. GENERAL QUALITY REQUIREMENTS

Conformity with the quality specification.

3. PROPERTIES OF MATERIAL

Sheet metal must not contain any waste of other non-ferrous materials (aluminium, bronze, bearing alloys). The size of sheet metal pieces may be max. 400 x 200 x 40 mm, and without any non-metallic impurity (oil, mud, wood, etc.) The size of packages for electric furnaces may be max. 500 x 400 x 400 mm, while the size for cupola furnaces may be max. 300 x 300 x 200 mm. The thickness of sheet metal, which is not pressed, must be at least 1 mm and not smaller than 30 x 30 mm.

4. PACKAGING, PACKING AND TRANSPORT

Sheet metal should be delivered in bulk by railway wagons or truck.

5. WARRANTY OF QUALITY

Material is classified according to the results of chemical analysis conducted by the Livar laboratory.

6. MANNER OF ACCEPTANCE

Sheet metal or packages will be accepted by the acceptance control of LIVAR.

7. CONTROL PROCEDURE

Control procedure will be sampled (2 samples from each shipment) for the verification of chemical composition of sheet metal and the visual inspection regarding the purity and size of sheet metal or packages.

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

NAME: SHEET METAL, CLASS I

CODE: 9100906

QUALITY CHARACTERISTICS	VALUE	MANNER OF VERIFICATION
Mn content	max. 0.50 %	Labor. analysis
Cr content	max. 0.05 %	Labor. analysis
Cu content	max. 0.05 %	Labor. analysis
Si content	max. 0.50 %	Labor. analysis
S content	max. 0.02 %	Labor. analysis
P content	max. 0.02 %	Labor. analysis
Al content	max. 0.05 %	Labor. analysis
Sb content	max. 0.009 %	Labor. analysis
Pb content	max. 0.009 %	Labor. analysis
Piece size, sheet metal	max. 400 x 200 x 40 mm min. 1x 30 x 30 mm	Visual control (measuring)
Piece size, packages (el. furnace)	max. 500 x 400 x 400 mm	Visual control (measuring)
Piece size, packages (cupola furnace)	max. 300 x 300 x 200 mm	Visual control (measuring)