

1. Iron

Pig iron produced at OJSC "NLMK" is aimed at further application in steel-making and castings production. Pig iron is produced in ingots without necking.

Table 1.1. Chemical analysis of NLMK's pig iron

Grade	Unit	Si	S	Mn	P
P-1 (GOST 805-95)	%	0.51–0.90	0.010–0.050	up to 0.15	up to 0.12
P-2 (GOST 805-95)	%	0.20–0.50	0.010–0.050	up to 0.15	up to 0.12
PL-1 (GOST 805-95)	%	0.91–1.20	0.010–0.050	up to 0.15	up to 0.12
PL-2 (GOST 805-95)	%	0.51–0.90	0.010–0.050	up to 0.15	up to 0.12
Pig-P2 (ISO 9147-87)	%	up to 1.00	up to 0.06	up to 0.15	up to 0.25

Table 1.2. Nominal dimensions and weight of iron ingots

	Length, mm	Width, mm	Height, mm	Weight, kg
Ingot w/o necking	344	165	72	up to 18