



**Especificações do ferro gusa / Pig Iron Classification Grade**

**FERRO GUSA ACIARIA / BASIC PIG IRON**

Si	P	Mn	C	S
0.00-1.50%	0.00-0.15%	0.00-1.00%	3.50-4.50%	0.00-0.05%
0.00-1.50%	0.00-0.13%	0.00-1.00%	3.50-4.50%	0.00-0.05%
0.00-1.50%	0.00-0.12%	0.00-1.00%	3.50-4.50%	0.00-0.05%
0.00-1.50%	0.00-0.11%	0.00-1.00%	3.50-4.50%	0.00-0.05%

**FERRO GUSA CINZENTO / FOUNDRY PIG IRON**

Si	P	Mn	C	S
1.00-1.50%	0.00-0.10%	0.30-0.80%	3.50-4.50%	0.00-0.025%
1.00-1.50%	0.00-0.12%	0.30-0.80%	3.50-4.50%	0.00-0.025%
1.00-1.50%	0.00-0.15%	0.30-0.80%	3.50-4.50%	0.00-0.025%
1.50-2.00%	0.00-0.10%	0.30-0.80%	3.50-4.50%	0.00-0.025%
1.50-2.00%	0.00-0.12%	0.30-0.80%	3.50-4.50%	0.00-0.025%
1.50-2.00%	0.00-0.15%	0.30-0.80%	3.50-4.50%	0.00-0.025%
2.00-2.50%	0.00-0.10%	0.30-0.80%	3.50-4.50%	0.00-0.025%
2.00-2.50%	0.00-0.12%	0.30-0.80%	3.50-4.50%	0.00-0.025%
2.00-2.50%	0.00-0.15%	0.30-0.80%	3.50-4.50%	0.00-0.025%
2.50-3.00%	0.00-0.10%	0.30-0.80%	3.50-4.50%	0.00-0.025%
2.50-3.00%	0.00-0.12%	0.30-0.80%	3.50-4.50%	0.00-0.025%
2.50-3.00%	0.00-0.15%	0.30-0.80%	3.50-4.50%	0.00-0.025%
3.00-3.50%	0.00-0.10%	0.30-0.80%	3.50-4.50%	0.00-0.025%
3.00-3.50%	0.00-0.12%	0.30-0.80%	3.50-4.50%	0.00-0.025%
3.00-3.50%	0.00-0.15%	0.30-0.80%	3.50-4.50%	0.00-0.025%
> 3.50%	0.00-0.10%	0.30-0.80%	3.50-4.50%	0.00-0.025%
> 3.50%	0.00-0.12%	0.30-0.80%	3.50-4.50%	0.00-0.025%
> 3.50%	0.00-0.15%	0.30-0.80%	3.50-4.50%	0.00-0.025%

**FERRO GUSA NODULAR / NODULE PIG IRON**

Si	P	Mn	C	S
0.00-0.50%	0.00-0.10%	0.00-0.10%	3.50-4.50%	0.00-0.025%
0.00-0.50%	0.00-0.12%	0.00-0.10%	3.50-4.50%	0.00-0.025%
0.50-1.00%	0.00-0.10%	0.00-0.10%	3.50-4.50%	0.00-0.025%
0.50-1.00%	0.00-0.12%	0.00-0.10%	3.50-4.50%	0.00-0.025%
1.00-1.50%	0.00-0.10%	0.00-0.10%	3.50-4.50%	0.00-0.025%
1.00-1.50%	0.00-0.12%	0.00-0.10%	3.50-4.50%	0.00-0.025%
1.50-2.00%	0.00-0.10%	0.00-0.10%	3.50-4.50%	0.00-0.025%
1.50-2.00%	0.00-0.12%	0.00-0.10%	3.50-4.50%	0.00-0.025%
2.00-2.50%	0.00-0.10%	0.00-0.10%	3.50-4.50%	0.00-0.025%
2.00-2.50%	0.00-0.12%	0.00-0.10%	3.50-4.50%	0.00-0.025%
> 2.50%	0.00-0.10%	0.00-0.10%	3.50-4.50%	0.00-0.025%
> 2.50%	0.00-0.12%	0.00-0.10%	3.50-4.50%	0.00-0.025%

**FERRO GUSA BAIXO FÓSFORO / NODULE PIG IRON LOW PHOSPHOR**

Si	P	Mn	C	S
0.00-0.50%	0.00-0.030%	0.00-0.030%	3.50-4.50%	0.00-0.015%
0.00-0.50%	0.00-0.035%	0.00-0.035%	3.50-4.50%	0.00-0.015%
0.00-0.50%	0.00-0.040%	0.00-0.040%	3.50-4.50%	0.00-0.015%
0.00-0.50%	0.00-0.050%	0.00-0.050%	3.50-4.50%	0.00-0.015%