

## Ferro Silicon

Wedge offers high purity 75% Grade Ferrosilicon. According to the content of Si, Fe, Al, etc., it is divided into different grades. As a rule of thumb in steel making for 1TOS about 3-5 kg of 75% ferrosilicon is consumed. We offer particle sizes are 0-3mm, 10-60mm, 10-100mm, etc. Manufacturers and suppliers can be customized according to user requirements. Ferrosilicon is used as a deoxidizer. At the same time, when SiO<sub>2</sub> is formed, a large amount of heat is released. This is beneficial to increase the temperature of the molten steel.

### Commercial Grade Ferro Silicon

Si min	Al max	C max	P max	S max	Ca max
65%	2.00%	0.20%	0.04%	0.02%	
68%	2.00%	0.20%	0.04%	0.02%	
70%	2.00%	0.20%	0.04%	0.02%	
72%	2.00%	0.20%	0.04%	0.02%	
75%	2.00%	0.20%	0.04%	0.02%	
75%	1.50%	0.10%	0.04%	0.02%	
75%	1.50%	0.10%	0.04%	0.02%	0.50%

### Low Aluminium Ferro Silicon

Si min	Al max	C max	P max	S max
75%	1.50%	0.10%	0.04%	0.02%
75%	1.00%	0.20%	0.04%	0.02%
75%	0.50%	0.10%	0.04%	0.02%
75%	0.10%	0.10%	0.04%	0.02%

### High Purity Ferro silicon

Si min	Al max	C max	Ti max	P max	S max
75%	0.50%	0.05%	0.10%	0.03%	0.02%
75%	0.30%	0.03%	0.05%	0.03%	0.01%
75%	0.10%	0.03%	0.03%	0.02%	0.01%
75%	0.05%	0.02%	0.03%	0.02%	0.01%

### High carbon silicon

Si	C	SiO <sub>2</sub>	P	S
65%	15%	2.5%	0.05%	0.05%
67%	23%	2.5%	0.05%	0.05%

The main content of high carbon silicon are silicon and carbon. It can replace ferrosilicon, silicon carbide, recarburizer. Reduce the amount of deoxidizer, and be used in converter smelting deoxidation alloying process. The effect is stable. The properties and quality of the steel are superior to the traditional process.