

ORIENT NEW MATERIAL (HEBEI) CO.,LTD

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Ferro Silicon

Introduction:

Ferro silicon is composed of iron and silicon. Using coke, steel scrap and quartz as the raw material, it is smelted in the electric arc furnace.

Application field:

Ferro silicon is widely used in the steel making, iron casting and low-carbon ferro alloy producing:

1. In the steel making field, Ferro silicon is used as deoxidizer and alloying agent to precipitate and diffuse deoxidation. Adding a certain amount of silicon to the steel can obviously improve the strength, hardness, elasticity and permeability of steel.
2. In the iron casting, it is used as inoculant and nodulizer. Cast iron which is cheaper than steel and easy to smelt, is a kind of important metallic material in modern industry. Especially the nodular cast iron's mechanical property is nearly equal to steel's mechanical property. Adding ferrosilicon to cast iron, it can prevent the formation of carbide and promote the precipitation and nodulizing of the graphite.
3. High-silicon ferrosilicon can be used as reductant in the production of the low-carbon ferro alloy.
4. In addition, ferro silicon powder can be used as a suspended phase in the mineral processing industry and coatings for welding electrodes in the electrode manufacturing.

Specification:

Brand	Chemical Composition/%							
	Si	Al	Ca	Mn	Cr	P	S	C
		≤						
FeSi75A10.5-A	74.0-80.0	0.5	1.0	0.4	0.3	0.035	0.02	0.1
FeSi75A10.5-B	72.0-80.0	0.5	1.0	0.5	0.5	0.04	0.02	0.2
FeSi75A11.0-A	74.0-80.0	1.0	1.0	0.4	0.3	0.035	0.02	0.1
FeSi75A11.0-B	72.0-80.0	1.0	1.0	0.5	0.5	0.04	0.02	0.2
FeSi75A11.5-A	74.0-80.0	1.5	1.0	0.4	0.3	0.035	0.02	0.1

FeSi75A11.5-B	72.0-80.0	1.5	1.0	0.5	0.5	0.04	0.02	0.2
FeSi75A12.0-A	74.0-80.0	2.0	1.0	0.4	0.3	0.035	0.02	0.1
FeSi75A12.0-B	74.0-80.0	2.0	1.0	0.4	0.3	0.04	0.02	0.1
FeSi75A12.0-C	72.0-80.0	2.0		0.5	0.5	0.04	0.02	0.2
FeSi75-A	74.0-80.0			0.4	0.3	0.035	0.02	0.1
FeSi75-B	74.0-80.0			0.4	0.3	0.04	0.02	0.1
FeSi75-C	72.0-80.0			0.5	0.5	0.04	0.02	0.2
FeSi65	65.0- <72.0			0.6	0.5	0.04	0.02	
FeSi45	40.0-47.0			0.7	0.5	0.04	0.02	

Part

icle size:10-100mm,10-60mm, 3-10mm,1-3mm, 0-1mm or according to client's requirements.

Packing: 1000kg/bag or according to client's requirements.