

Calcium Silicon Grain

Silicon calcium, also known as silicon calcium alloy. It belongs to the category of ferroalloys. The main chemical components are silicon and calcium. It also contains impurities such as iron, aluminum, carbon, sulfur, etc. There are two forms of silicon calcium lump and calcium silicon powder.

The most widely used method for integrated steel applications is in the form of cored wire. It is the silicon calcium core wire we often say. Calcium has a low density in the ladle and is highly reactive, so it is difficult to introduce and keep in the melt. The core wire eliminates these variables.

Specification	Chemical Component%					
	Ca	Si	Al	C	P	S
	>=		<=			
W-Ca30Si60	30	55-65	0.3	0.1	0.035	0.02
W-Ca28Si55	28	55-60	0.3	0.1	0.04	0.02

Applications Calcium Silicon

- Composite deoxidizer, desulfurizer. Mainly used for high grade steel.
- The silicon calcium alloy has strong deoxidation ability.
- The deoxidation product is easy to float and is easy to discharge.
- It also improves the properties of steel and improves the ductility of steel.
- The warming agent used in the converter steel workshop.
- Can be used as an inoculant for cast iron.
- As an additive in the production of ductile iron.

Silicon Briquette

Silicon briquette have the same physical and chemical properties as ordinary alloys. And briquettes manufacturing cost is very low. So, it has been well received by customers in practical use. Silicon balls are generally classified into three types: ferrosilicon briquettes, silicon slag briquettes, and silicon carbide balls.

Ferrosilicon briquettes

The ferro silicon briquettes is made by pressing the ferro silicon powder through a machine. It can be used as a deoxidizer and alloying agent in the steel making process. It is a substitute for smelting pig iron and ordinary foundry ferrosilicon.

Advantages of ferro silicon briquettes

The use of ferrosilicon balls can improve the furnace temperature, increase the fluidity of molten iron, effectively discharge slag, and improve the toughness and cutting ability of pig iron and castings. In addition, its particle size is uniform, the melting rate is fast, and fuel can be effectively saved. The price of ferrosilicon briquettes is low and the effect is good. It is a product that many customers will choose now.

Products	Spec(%)				
	Si	C	S	P	Al
FeSi60	60%min	8%max	0.1%max	0.05%max	5%max
FeSi65	65%min	5%max	0.08%max	0.05%max	3%max