

Ferrosilicon Specification

Description:

Ferro-Silicon is an alloy of iron and silicon, typically containing 15–90% silicon. It is a widely used deoxidizer and alloying element in the steel and foundry industries. The addition of Ferro-Silicon improves the strength, hardness, and corrosion resistance of steels and cast irons. The material is usually supplied in lump or granular form.

Applications:

- Used as a deoxidizer in steelmaking to remove oxygen and improve quality.
- Serves as an alloying element to enhance strength, wear resistance, and magnetic properties of steels.
- Applied in the production of cast iron to promote graphitization and improve machinability.
- Utilized in the manufacturing of silicon steels for electrical applications.
- Acts as a source of silicon in the production of other ferroalloys.

Packing:

- 1 m³ jumbo bags in container

Health and Safety:

Ferro-Silicon dust may cause respiratory irritation if inhaled. Use protective equipment such as gloves, safety glasses, and dust masks during handling. Store in a dry place to avoid contact with moisture, which can generate hydrogen gas. Always follow local safety regulations and MSDS guidelines.

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Size (mm)	Si%	Al%	C%	P%	S%
10-60	72-75	Max 1.0	Max 0.2	Max 0.04	Max 0.02
10-60	70-72	Max 2.0	Max 0.2	Max 0.04	Max 0.02
10-60	60-65	Max 3.0	Max 0.2	Max 0.04	Max 0.02
3-10	70-72	Max 2.2	Max 0.2	Max 0.05	Max 0.04
3-10	67-70	Max 2.8	Max 0.2	Max 0.05	Max 0.04

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Applications

