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Features of Sic Silicon Carbide Graphite crucible

Excellent thermal stability and distortion resistance at high temperature.
High mechanical strength at high temperature.
Excellent thermal shock resistance.
High thermal conductivity.
Excellent oxidating resistance.
Excellent corrosion resistance at high temperature.
Excellent corrosion resistance against chemicals.
High abrasion resistance.

Application of Silicon Carbide Graphite crucible
Silicon carbide graphite crucibles are widely used in a variety of industries, including:

Foundry: Silicon carbide graphite crucibles are used to melt metals such as aluminum, copper, brass, bronze, and their alloys. They are also used to melt precious metals such as gold and silver.

Metallurgy: Silicon carbide graphite crucibles are used in the production of ferroalloys, which are alloys of iron and other metals such as silicon, manganese, and chromium. Ferroalloys are used to improve the properties of steel and other metals.

Chemical industry: Silicon carbide graphite crucibles are used in the production of chemicals such as chlorine, sodium hydroxide, and sulfuric acid.

Electronics industry: Silicon carbide graphite crucibles are used in the production of semiconductors and other electronic components.
Research and development: Silicon carbide graphite crucibles are used in research and development laboratories to melt and process a variety of materials.

Product Specififaction of Silicon Carbide Graphite crucible

Item	Molten copper, precious metals and rare earth alloys		Molten aluminum and low melting	
Forming method	Plasticity	Isostatic pressure	Plasticity	Isos
Carbon Content %	≥38	≥45	≥38	
Bulk density g/cm^3	≥1.7	≥1.85	≥1.7	
Apparent porosity %	≤29	≤21	≤29	
Cold Crushing Strength MPa	≥20	≥25	≥20	
Refractoriness	≥1500	≥1500	≥1400	

Packing & Delivering

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