

## Black Silicon Carbide Powder Refractory Raw Material Green Silicon Carbide Powder 99% Purity

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: F4~F90/P12~P100, F100~F150/P120~P150
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons/month



### Product Specification

- Acid Resistance: Good
- Alkali Resistance: Good
- Application: Ceramic Industry
- Cold Crushing Strength: 50-80MPa
- Color: White
- Density: 2.2-2.3g/cm3
- Material: Refractory Raw Material
- Packaging: 25kg/bag
- Porosity: ≤20%
- Refractoriness: 1700-1800
- Refractoriness Under Load: 1350-1450
- Shape: Granular
- Size: 1-3mm
- Storage: Dry And Ventilated Place
- Thermal Shock Resistance: Good



### More Images



### Product Description

**Manufacturer Directly Supply Top Quality Black Silicon Carbide And Green Silicon Carbide Powder With 99% Purity**

**Description of Silicon Carbide Powder Raw Material:**

Our Product Introduction



Silicon Carbide is hexagonal crystal, with stable chemical properties, high thermal conductivity, small thermal expansion coefficient, good wear resistance, Mohs hardness of 9.5. It has black and green two basic varieties. Black silicon carbide has good toughness, it is widely used in glass industry, ceramic industry, stone industry, refractory industry, iron industry, non-ferrous industry and so on. Green silicon carbide has good self-sharpening, and is mostly used for processing hard alloy, titanium alloy and optical glass, and also for honing cylinder liner and accurate grinding HSS tool.



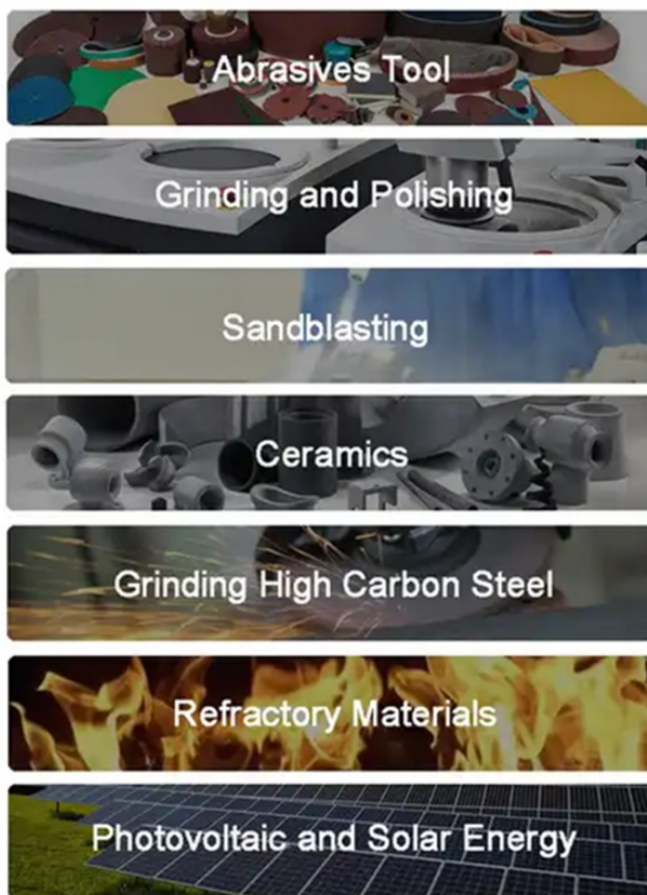
#### Features of Silicon Carbide Powder Raw Material:

- 1.Stable Chemical Properties
- 2.High Thermal Conductivity
- 3.Small Thermal Expansion Coefficient
- 4.Good Wear Resistance

#### Applications for Black Silicon Carbide Powder Raw Material:

1. As an abrasive, it can be used as a grinding tool, such as grinding wheel,oilstone,grinding head, sand tile, etc.
2. As a metallurgical deoxidizer andexotic material.
3. High-purity single crystal, which can be used for manufacturing semiconductors and manufacturingsilicon carbide fiber.
- 4.It can be used as deoxidizer for steelmaking and modifier for cast iron structure, and as raw material for manufacturing silicon tetrachloride.
- 5.It can be used as high temperature indirect heating material.
6. Anti-wear lubricants, structural coatings, functional coatings, protective coatings, absorbing materials, stealth materials, etc. in the industrial field
7. Glass polishing, rubber tires and other rubber products, high-performance brake pads, product anti-wear lubrication, high-hardness wear-resistant powder coatings;
8. High-performance structural ceramics (such as rocket nozzles, nuclear industry, etc.), which can be used as ceramic knives, cutting tools, measuring tools, molds; special-purpose structural ceramics, functional ceramics, composite ceramics, engineering ceramics;
9. Protective armor for tanks and armored vehicles;
10. Igniter; electric heating element for electrical industry, far infrared generator.

## APPLICATION



Technical Parameter of Silicon Carbide Raw Material:

Color	Granularity range	Chemical Component %			Den:
		SiC	F.C	Fe <sub>2</sub> O <sub>3</sub>	
Black	F4~F90/P12~P100	≥98.6	≤0.2	≤0.4	
	F100~F150/P120~P150	≥98.1	≤0.25	≤0.5	
	F180~F220/P180~P220	≥97.2	≤0.3	≤0.55	
	F230~F280/P240~P360	≥97.2	≤0.3	≤0.55	
	F320~F500/P400~P1000	≥97.0	≤0.35	≤0.6	
	F600~F800/P1200~P1500	≥96.5	≤0.4	≤0.6	
	F1000~F1200/P2000~2500	≥95.5	≤0.5	≤0.7	
Green	F4~F90/P12~P100	≥99.1	≤0.2	≤0.2	
	F100~F150/P120~P150	≥98.6	≤0.25	≤0.45	
	F180~F220/P180~P220	≥98.0	≤0.25	≤0.5	
	F230~F280/P240~P360	≥98.0	≤0.3	≤0.5	
	F320~F500/P400~P1000	≥97.5	≤0.3	≤0.5	
	F600~F800/P1200~P1500	≥97.0	≤0.35	≤0.5	
	F1000~F1200/P2000~P2500	≥96.5	≤0.4	≤0.5	



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