

SiC Powder Refractory Raw Material Silicon Carbide Powder F4 To F1200 Black Silicon Carbide

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, Henan, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO Certification
- Model Number: Black, Green
- Minimum Order Quantity: 1 Ton
- Price: 200-800 USD
- 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: 2000tons /month



Product Specification

- Alkali Resistance: Good
- Bulk Density: 1.5-2.5g/cm³
- Chemical Composition: Al₂O₃, SiO₂, MgO, Etc.
- Color: White, Grey, Brown, Etc.
- Compressive Strength: 50-100MPa
- Flexural Strength: 20-50MPa
- Name: Refractory Raw Material
- Porosity: 15-25%
- Refractoriness: 1700-1800
- Refractoriness Under Load: 1450-1550
- Shape: Powder, Granular, Block, Etc.
- Size: 0-3mm, 0-5mm, Etc.
- Softening Temperature: 1400-1600
- Thermal Expansion: 0.2-0.5%
- Thermal Shock Resistance: Good



More Images



Product Description

Description of Silicon Carbide SiC Powder From Grit F4 To F1200 Black Silicon Carbide

Black SiC silicon carbide is made from quartz sand and smokeless acetylene as the main raw material. It is made via light resistance from hydrometallurgical, it is black opaque body hexagonal crystal and MOHS -hardness in the 9.15, which is after diamond and boron carbide with crisp and sharp performance and certain degree of conductive heat.

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Advantages Of Black Silicon Carbide:

1. Large crystal, high strength, good toughness, dense texture, high bulk density.
2. Stable performance between batches.
3. The higher grinding efficiency and polishing brightness, the grinding efficiency is much higher than the soft abrasives such as silica.
4. Good particle appearance, high surface finish of the polished object.

Usage For Black SiC Silicon Carbide:

1. SiC processed by low-intensity metal and non metallic and also can be used in fire-resisting materials and the electronic industry
2. Colored metal .iron and steel industry .constructing materials and ceramic .Energy-saving
3. Usage: It is the important raw materials of high refractories manufacturing ,high-temperature ceramics, body heat resistance, abrasives and recrystallized silicon carbide.

Parameter of Silicon Carbide SiC Powder From Grit F4 To F1200 Black Silicon Carbide

Color	Granularity range	Chemical Component %		
		SiC	F.C	Fe ₂ O ₃
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



Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd



+86-18538509097



Jackyhan2023@outlook.com



bricksrefractory.com

11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China