

Wholesale Silicon Carbide Ceramic Plates And Nitride Bonded SIC Slabs For High-Temperature Kiln Furniture Setting

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Sic, SiSiC, NSiC Rsic
- Minimum Order Quantity: 20 pieces
- Price: \$0.97 - \$4.84
- 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

- Highlight: Nitride Bonded SIC Slabs, Wholesale Silicon Carbide Ceramic Plates, High Temperature Kiln Furniture Setting



More Images



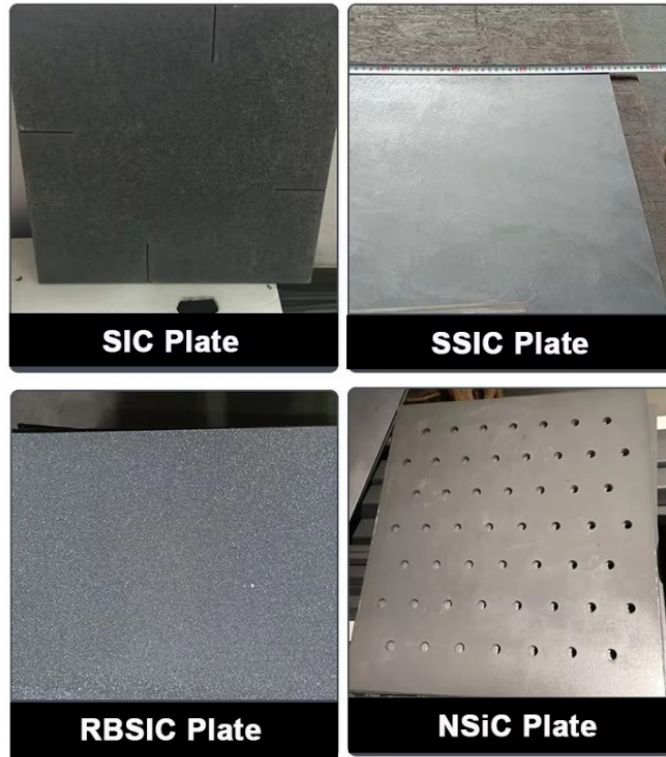
Product Description

Product Description of Wholesale Silicon Carbide Ceramic Plates And Nitride Bonded SIC Slabs For High-Temperature Kiln Furniture Setting

Silicon carbide plates are manufactured using high-purity silicon carbide (SiC) and industrial silicon powder as the main ingredients. These plates are shaped through vibration and undergo high-temperature sintering.

Silicon carbide products, including bricks, sheds, brackets, and custom shapes, leverage the exceptional properties of silicon carbide. They exhibit high strength and hardness, along with excellent refractoriness under load, rapid heat conduction, and resistance to oxidation. Additionally, they maintain their shape and size even at elevated temperatures, contributing to a longer service life.

Our Product Introduction



Product Features of Silicon Carbide Ceramic Plates

1. Good thermal conductivity
2. Good high temperature strength
3. Wear resistant and erosion resistant
4. Good thermal shock resistance
5. Good corrosion resistance
6. Good oxidation resistance

Product Advantages

1. Sufficient specifications The size can be customized
2. Free samples
3. Lowest price can be quoted for large quantities
4. It can greatly reduce scrap rate, significantly improve casting quality

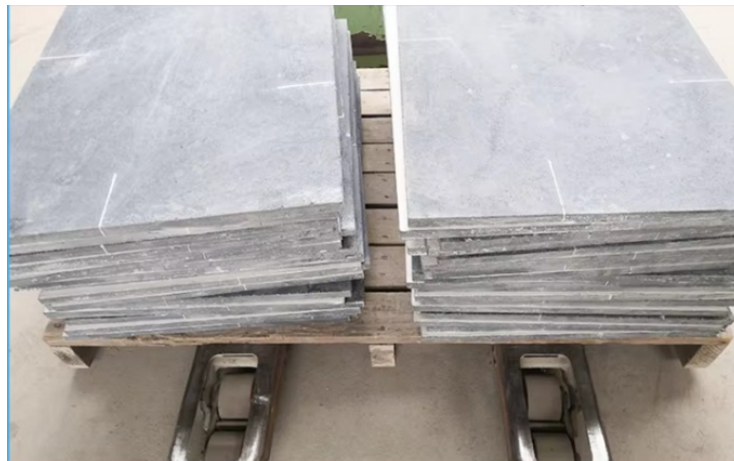
Product Applications of Silicon Carbide Ceramic Plates

Applications include the non-ferrous metal smelting industry, ceramic and enamel rotary kilns, cement kiln mouths, as well as glass annealing furnaces and various high-temperature furnaces.

Used in blast furnace linings, aluminum electrolytic cell linings, glass tanks, structural ceramics, sanitary ceramics, domestic ceramics, electrotechnical porcelain refractories, and in the sintering of powdered metals.

Suitable for industrial ceramics, including bearing plates, pushing boards, saggars; muff plates in annealing furnaces; linings and ignitors for CFBB; and linings in waste incinerators, heat treatment electric furnaces, and soaking pit furnaces.

Product Specifications of Silicon Carbide Ceramic Plates



Properites	Units	Silicon carbide Material		
Type		SiC	SiSiC	NSiC

Chemical composition	SiC%	89	87	92	70
	SiO2 %	5	6	-	Si3N4 28
	Al2O3%	1.0	2.0	-	-
Bulk Desity	g/cm3	2.85	2.8	3.01	2.8
Apparent porosity	%	12	14	0.1	12
M.O.R.@20	MPa	50	48	260	180
M.O.R.@1300	MPa	58	56	280	185
C.T.E.@20 -1000	10-6K-1	4.8	4.2	4.5	4.7
C.C.S	MPa	100	90	900	500
Thermal shock resistance	1	5	5	5	5
Max working temperature		1450	1420	1300	1500
application	Used in ceramic shuttle kiln, tunnel kiln and roller kiln,Kiln furniture.				

 HENAN RONGSHENG XINWEI
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