

# Heat-Resistant Silicon Carbide Plates Available From Factory SiC SSiC, NSiC, **RSiC Refractory Plate**

#### **Basic Information** • Place of Origin: Zhengzhou, China • Brand Name: Rongsheng Xinwei • Certification: ISO9001 SiC SSiC, NSiC, RSiC Model Number: • Minimum Order Quantity: 20 pieces • Price: \$0.97 - \$4.84 Packed on wooden pallets, with water-proof

bandages

- Packaging Details:
- Delivery Time:
- Payment Terms: TT; L/C
- Supply Ability:
- - 10-20 Days
  - 2000tons /month

# **Product Specification**

• Highlight:

Factory Silicon Carbide Plates, **Refractory Silicon Carbide Plates** Heat Resistant Silicon Carbide Plates

cover, and tightened with plastic/steel



### More Images

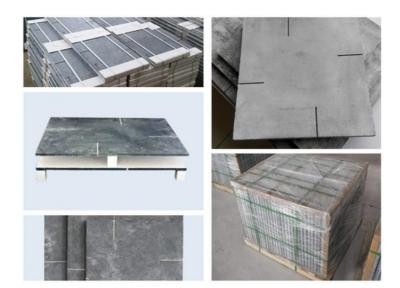


### **Product Description**

Product Description of Heat-Resistant Silicon Carbide Plates Available from Factory SSiC, NSiC, RBSiC **Refractory Plate Available** 

Our silicon carbide plates utilize high-purity silicon carbide (SiC) and industrial silicon powder as key materials. They are shaped by vibration and undergo high-temperature sintering for durability.

Products such as silicon carbide plates, bricks, sheds, brackets, and custom shapes, made primarily from silicon carbide, showcase remarkable characteristics including high strength, hardness, and excellent resistance to high-temperature deformation. They also feature rapid heat conduction and oxidation resistance, contributing to an extended service life.



## Features of Heat-Resistant Silicon Carbide 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

# Applications of Rongsheng Silicon Carbide Plates

Used in the non-ferrous metal smelting sector, as well as in the rotary kiln openings for ceramics, enamel, and cement, along with glass annealing furnaces and various types of high-temperature furnaces. Lining for blast furnaces, aluminum electrolytic cells, glass tanks, structural ceramics, sanitary ceramics, domestic ceramics, and refractory materials for electrical porcelain in the powder metallurgy industry. Industrial ceramic components such as bearing plates, pushing boards, saggers; muff plates for annealing furnaces; linings and ignitors for circulating fluidized bed boilers (CFBB); and linings for waste incinerators, heat treatment electric furnaces, soaking pit furnaces, and more. F

Product Specifications of Heat-Resistant	Silicon Carbide Plates
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SiC% SiO2 % Al2O3% g/cm3 %	Si 89 5 1.0 2.85 12	87 6 2.0 2.8	SiSiC 92 - 3.01	NSiC 70 Si3N4 28 - 2.8
SiO2 % Al2O3% g/cm3	5 1.0 2.85	6 2.0 2.8	-	Si3N4 28
Al2O3% g/cm3	1.0 2.85	2.0 2.8	-	-
g/cm3	2.85	2.8		- 2.8
0		_	3.01	2.8
%	10			
	12	14	0.1	12
MPa	50	48	260	180
MPa	58	56	280	185
10-6K-1	4.8	4.2	4.5	4.7
MPa	100	90	900	500
1	5	5	5	5
	1450	1420	1300	1500
Us	ed in ceramic	shuttle kiln, tu	nnel kiln and rolle	er kiln,Kiln furniture.
	MPa 10-6K-1 MPa 1	MPa 58   10-6K-1 4.8   MPa 100   1 5   1450	MPa 58 56   10-6K-1 4.8 4.2   MPa 100 90   1 5 5   1450 1420	MPa 58 56 280   10-6K-1 4.8 4.2 4.5   MPa 100 90 900   1 5 5 5

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