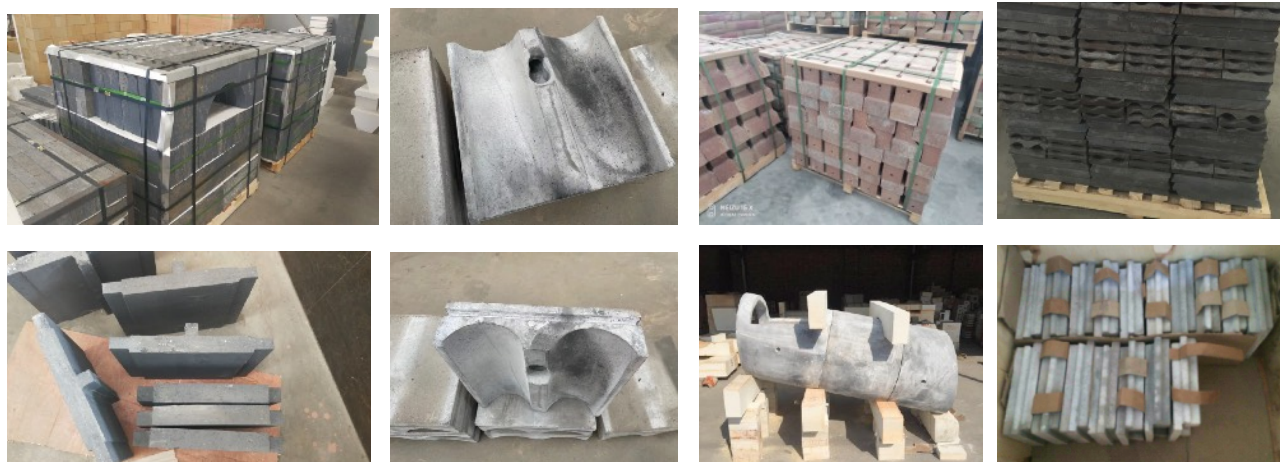


**Silicon Carbide Brick**

Grade	Unit	SIC-90Y	SIC-90G	SIC-70	SIC-65	SIC-20
Description		Oxide Bonded SiC Brick	Green SiC Brick	Corundum SiC Brick	Mullite SiC Brick	High Alumina SiC Brick
SiC	%	≥ 90	≥ 90	≥ 70	≥ 65	≥ 20
Al <sub>2</sub> O <sub>3</sub>	%	--	--	--	≥ 20	≥ 55
Fe <sub>2</sub> O <sub>3</sub>	%	≤ 0.6	≤ 0.6	≤ 1.0	≤ 1.0	≤ 1.5
Bulk Density	g/cm <sup>3</sup>	≥ 2.6	≥ 2.6	≥ 2.7	≥ 2.3	≥ 2.5
Apparent Porosity	%	≤ 17	≤ 17	≤ 22	≤ 20	≤ 20
Cold Crushing Strength	MPa	≥ 100	≥ 100	≥ 100	≥ 80	≥ 80
Refractoriness under load (0.2MPa, 0.6%)	°C	≥ 1650	≥ 1650	≥ 1700	≥ 1600	≥ 1600
Application	Mainly used for lining of non-ferrous metal smelter; setter plate, pusher board, and sagger of industrial ceramics; muffle of annealing furnace; CFB refractory lining; garbage incinerators lining, etc.					

**Si<sub>3</sub>N<sub>4</sub> bonded SiC Brick & SiAlON-bonded SiC Brick**

Grade	Unit	NSIC	SASIC
Description		Si <sub>3</sub> N <sub>4</sub> Bonded SiC Brick	SiAlON Bonded SiC Brick
Si <sub>3</sub> N <sub>4</sub>	%	≥20	
Sialon			≥20
SiC	%	≥ 72	≥ 71
Al <sub>2</sub> O <sub>3</sub>	%	--	≥5.0
Fe <sub>2</sub> O <sub>3</sub>	%	≤ 1.0	≤ 0.7
Bulk Density	g/cm <sup>3</sup>	≥ 2.65	≥ 2.65
Apparent Porosity	%	≤ 17	≤ 16
Cold Crushing Strength	MPa	≥150	≥ 150
Cold Modulus of Rupture	MPa	≥45	≥40
Thermal Conductivity	W/m.K	≥15	≥15
Application	Blast furnace, Electrolytic Aluminum, WtA Incinerator, Copper Refining Furnace, Kiln Furniture, Heat treatment, Submerged Arc Furnace, etc.		



All data above are average test results under standard procedure and are subjected to variation. Result should not be used for specification purpose or creating any contractual obligation. For more information on the safety application or materials, please contact with our sales engineer.