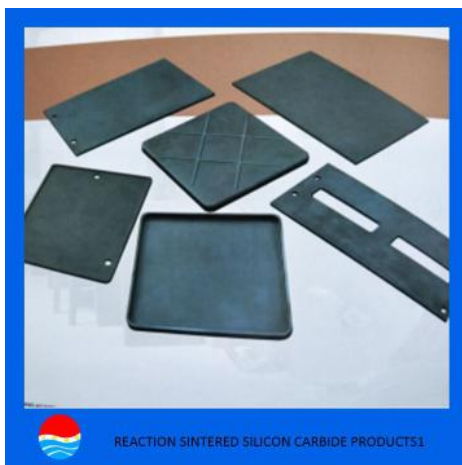


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Reaction Sintered Silicon Carbide Product



1,Product main performance parameters

ITEM	UNIT	VALUE
Service temperature	℃	≥1380
Density	g/cm ³	≥3.0
Porosity	%	≤0.1
Bending strength	Mpa	20℃ ≥250 1200℃ ≥280
Elastic modulus,20℃	Gpa	≤330
Thermal conductivity,1200℃	w/m.k	45
Coefficient of thermal expansion	10 ⁻⁶ /k	≤4.5
Vickers hardness,HV10	Gpa	≥20
Acid and alkali resistance		excellent

2. Product picture



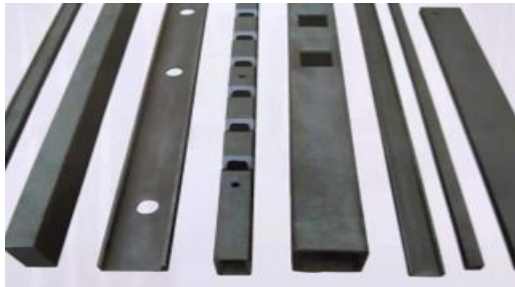
3. Product description: Reaction sintered silicon carbide (RBSIC or SISIC) has high

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strength, high hardness, high wear resistance, corrosion resistance, good oxidation resistance and thermal shock resistance. It is one of the widely used technical ceramic products. Compared with recrystallized silicon carbide and silicon nitride combined with silicon carbide, the long-term use effect of RBSiC or sisic is better. The bending strength of the product is more than twice that of recrystallized silicon carbide, and 50% higher than that of silicon nitride bonded silicon carbide. The product adopts grouting and extrusion process, net size sintering technology and finishing technology to produce a perfect product with complex shape and strict dimensional tolerance requirements.

4. There are many kinds of products, which are described as follows

Beams: good thermal conductivity, can effectively save energy, high temperature bearing capacity, long-term use without bending deformation, is the ideal kiln furniture for sanitary porcelain and electric porcelain kiln industry



Rollers: the product has high temperature bearing capacity, long-term use without bending deformation, and its service life is more than 10 times of that of alumina ceramic bar. It is widely used in high temperature sintering belt of roller kiln for ceramics, glass, magnetic materials, etc



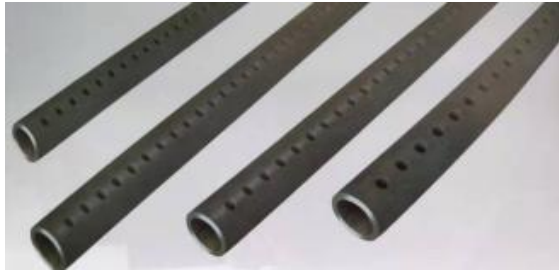
Burner nozzles: the product is the ideal burner for tunnel kiln, shuttle kiln and roller kiln.



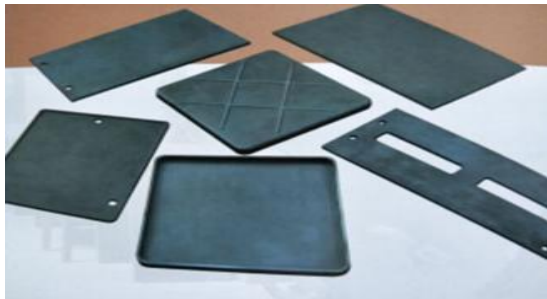
Cooling pipe: the product has good quick cooling and heating resistance, long-term

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use without deformation, and its service life is more than 10 times that of stainless steel pipe. It is used for cooling belt of roller kiln



Batts: the product has high bending strength and good thermal shock resistance. It is the kiln furniture of sanitary porcelain and fine ceramics



FGD nozzles: the product is the key component of flue gas desulfurization and dust removal in thermal power plant and large boiler.



4. Product characteristics

- 1) High strength, high temperature resistance, especially the bending strength of beams and plates
- 2) The service life of the bar product is more than 10 times that of the alumina bar
- 3) Good thermal conductivity, can effectively save energy
- 4) Good corrosion resistance, acid and alkali resistance

5, Good feedback of product use effect, the products have been exported to South Korea, Japan, Pakistan

6, We are a professional supplier, who can provide customers with free product technology, use and other issues

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Do you want to find a professional supplier of Reaction Sintered Silicon Carbide Product?

Do you want to find a stable and credible supplier?

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