

#### ■ Application:

The Reaction Bonded Silicon Carbide Ceramic (RSIC/SISIC) is an ideal wear resistant material, which is especially suitable for the strong abrasive, coarse particles, classification, concentration, dehydration and the other operations. It is widely used in mining industry, steel industry, coral processing industry, chemical industry, raw material-making industry, mechanical sealing, surface sandblasted treatment and reflector etc. Thanks to the excellent hardness and abrasive resistance, it can effectively protect the part where need wear protection, so as to prolong the service life of the equipment.

#### ■ Specifications:

Item	Unit	Data
Temperature of application	℃	1380℃
Density	G/cm <sup>3</sup>	>3.00
Open porosity	%	<0.1
Bending strength	Mpa	250 (20℃)
	MPa	280 (1200℃ )
Modulus of elasticity	GPa	330 (20℃)
	GPa	300 ( 1200℃ )
Thermal conductivity	W/m.k	45 (1200℃ )
Coefficient of thermal expansion	K-1 ×10-6	4.5
Rigidity		13
Acid-proof alkaline		excellent

#### ■ Available Shape and sizes:

Thickness: from 6mm up to 25mm

Regular Shape: SISIC plate, SISIC Pipe, SiSiC Three Links, SISIC Elbow, SISIC Cone Cyclone.

Remark: Other sizes and shape are available upon requests.

#### ■ Packaging:

In carton box, packed in fumigated wooden pallet with net weight 20-24MT/20'FCL.

#### ■ Key benefits:

1. Excellent wear resistance, impact resistance and corrosion resistance;
2. Excellent flatness and excellent temperature resistance up to 1350℃
3. Easy installation;
4. Longer service life (is about 5 times more than that of alumina ceramic and 6 times more than that of polyurethane)



**Tecera™ International Co.,Ltd.**

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"No one will come to be trustful without a reason, **Tecera™** comes to be because we are always closed to the clients and the market"  
**Strive for Perfection with Burning Passion.**

### General Application



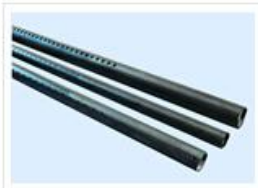
Cross Beams



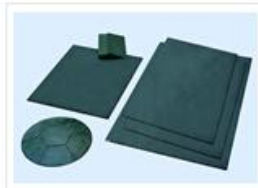
Rollers



Burner Nozzles



Cooling Air pip...



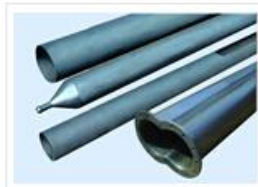
Batts



Radiation Tubes...



Saggers and Cru...



Special Atmosph...



Cantilevers Pad...



Thermocouple Pr...



Single Directio...



Spiral Nozzles



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