

■ Introduction of RBSIC sand Anti-Abrasion nozzles:

The RBSIC silicon carbide anti-abrasion cyclone nozzle is a durable and reliable solution for industries that require a high level of performance and resistance to wear and corrosion.

RBSIC sand Anti-Abrasion nozzles is a type of nozzle that is commonly used in industries such as mining, cement, and power generation. It is designed to withstand high temperatures, corrosion, and wear caused by abrasive materials.

■ Technical data sheet of Silicon Carbide ceramic nozzles :

| Item | Unit | Data |
|----------------------------------|-------------------|----------------|
| Temperature of application | °C | 1380°C |
| Density | G/cm ³ | >3.02 |
| Open porosity | % | <0.1 |
| Bending strength | Mpa | 250 (20°C) |
| | MPa | 280 (1200°C) |
| Modulus of elasticity | GPa | 330 (20°C) |
| | GPa | 300 (1200°C) |
| Thermal conductivity | W/m.k | 45 (1200°C) |
| Coefficient of thermal expansion | K-1 ×10-6 | 4.5 |
| Rigidity | / | 13 |
| Acid-proof alkaline | / | excellent |

■ Advantages of Silicon Carbide Abrasive Nozzles :

(1)The RBSIC silicon carbide anti-abrasion cyclone nozzle is made of a high-quality silicon carbide material that has excellent thermal and mechanical properties. This makes it ideal for use in harsh environments where other materials may fail.

(2)RBSIC sand mill inner barrel is designed to be used in cyclones, which are used to separate solid particles from gas or liquid streams. The RBSIC silicon carbide anti-abrasion cyclone nozzle is placed at the bottom of the cyclone and helps to direct the flow of material towards the outlet.

(3)The anti-abrasion properties of the RBSiC Sand Ceramic Nozzle make it ideal for use in applications where abrasive materials are present. Silicon Carbide Abrasive Nozzles is also resistant to chemical corrosion, making it suitable for use in harsh chemical environments.

