■ Introduction of RBSIC Silicon carbide Anti-Abrasion Blasting nozzle：

This material is highly resistant to abrasion, making it ideal for use in blasting applications where wear and tear on the nozzle is a concern.

The RBSIC material is produced by a process called reaction bonding, which involves the infiltration of molten silicon into a preformed carbon structure. This creates a strong bond between the silicon carbide and carbon, resulting in a material that is highly resistant to thermal shock and mechanical stress.

■ Technical data sheet of RBSIC Silicon carbide Anti-Abrasion Blasting nozzle:

Item	Unit	Data
Temperature of application	℃	1380℃
Density	G/cm3	＞3.02
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

■ Advantages of RBSIC Silicon carbide Anti-Abrasion Blasting nozzle:

(1)The RBSIC sandblasting Anti-Abrasion nozzles is designed to be used with high-pressure abrasive blasting equipment. The nozzle is constructed with a tapered shape that helps to increase the velocity of the abrasive material, resulting in a more efficient and effective blasting process.

(2)In addition to its anti-abrasion properties, the Silicon Carbide blast nozzle is also highly resistant to chemical corrosion, making it suitable for use with a wide range of blasting media. This makes it an ideal choice for applications in the aerospace, automotive, and construction industries, among others.

(3)RBSIC Sand Blasting Ceramic Nozzle is a durable and reliable option for any blasting application where wear and tear on the nozzle is a concern. Its ability to resist abrasion and chemical corrosion makes it an ideal choice for a variety of industries and applications.

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