

■ **Introduction of silicon carbide ceramic columns:**

Silicon carbide Ceramic Stand Column Pillar post or pillars are used in various industrial applications, such as in chemical processing, semiconductor manufacturing, and high-temperature furnace construction.

Silicon Carbide Stand Column are a crucial component in many industrial settings, providing strength, durability, and resistance to extreme conditions.

■ **Technical data sheet of silicon carbide ceramic columns :**

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 ceramic columns :**

(1)RBSIC Ceramic Pillar is a durable and high-strength material that can withstand extreme temperatures and harsh environments.

(2)Reaction bonded Silicon carbide post is a ceramic material that contains silicon and carbon, which are bonded together using a high-temperature process.

(3)Silicon carbide stand columns are commonly used as structural components in industrial equipment, providing support and stability to the overall system.

(4) Silicon carbide ceramic pillars can also be used as a protective barrier in high-temperature applications, shielding other materials from extreme heat and corrosive environments.

