

■ Introduction of RBSIC ceramic Crucible for Casting:

Silicon carbide cylindrical crucibles are used for casting various metals including gold, silver, brass, bronze, and aluminum. They are made of a high-quality silicon carbide material that provides excellent thermal conductivity and resistance to chemical erosion. The cylindrical shape of the crucible allows for easy pouring and handling of the molten metal.

■ Technical data sheet of RBSIC ceramic Crucible for Casting :

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 RBSIC ceramic Crucible for Casting :

1. High-temperature resistance: Silicon carbide crucibles can withstand high temperatures up to 1600° C, making them suitable for casting various metals.
2. Chemical resistance: RBSIC ceramic Crucible for Casting are resistant to chemical erosion caused by the molten metal, which means they have a longer lifespan and require less frequent replacement.
3. Reaction bonded Silicon carbide Crucibles have excellent thermal conductivity: The high thermal conductivity of silicon carbide ensures that the heat is evenly distributed throughout the crucible, promoting consistent casting results.
4. RBSIC ceramic Crucible is Easy to handle: The cylindrical shape of the crucible makes it easy to pour the molten metal and handle the crucible without spilling.

5. silicon carbide cylindrical crucibles are an essential tool for metal casting. Silicon carbide Cylindrical Crucible for Casting provide excellent thermal conductivity, chemical resistance, and high-temperature resistance, making them a reliable and durable option for casting various metals.

