

Recrystallized Silicon Carbide(ReSiC) Data Sheet

RESiC Properties

Application temperature:	1650	°C
Sic Content	≥99	%
Apparent porosity	<11	%
bending strength	>90-100	MPa
compression strength	>600	MPa
Thermal expansion (20~1100°C)	4.7	10-6K-1
Thermal conductivity (500°C)	24	W/mK
Young' s modulus	240	GPa
Acid&alkali resistance	/	Excellent

Product introduction

Recrystallized silicon carbide high-efficiency and energy-saving kiln furniture consists of porous columns, square bars, round bars, pad cakes and small-sized rectangular plates. It is suitable for firing daily-use ceramics, ceramic wine bottles, etc. It has multiple billets but reduces the amount of kiln furniture to achieve full energy saving, can increase the fluidity of the flame, achieve fast temperature rise and reduce the firing time, small temperature difference in the kiln makes the product color better, the cooling time is shorter, and the service life is long. , It is the best kiln furniture for ceramic wine bottles and daily-use ceramics.

Product performance characteristics

1. Good thermal shock resistance, suitable for high temperature kilns for rapid firing;
2. Good antioxidant properties;
3. Sufficient strength at high temperature;
4. Long service life and good high temperature load performance.