



SIC SPECIFICATION

Technical parameter	Unit	RBSiC	SSiC
Hardness	HS	≥110	≥115
Porosity Rate	%	<0.3	<0.2
Density	g/cm ³	3.00-3.05	>3.10
Compressive Strength	Mpa	>2200	>2500
Fractural Strength	Mpa	>350	>380
Coefficient of Expansion	10/°C	4	4.2
Content of SiC	%	≥90	≥98
Free Si	%	≤10	≤1
Elastic Modulus	Gpa	≥400	≥410
Max Temperature	°C	1300	1400