



SIC/SSIC MATERIAL TECHNICAL DATA

Operating Limits	Units	SIC	SSIC
Volume Density	g/cm³	3.05	3.10~3.15
Hardness	GPa	HRA86	≥HRA92
Bending Strength	Mpa	350-450	400-580
Purity	%	≥90	≥99
Elastic Modulus	GPa	300	338
Maximum Temperature	°C	1300	1650
Coefficient Of Heat Expansion	10⁻⁶•1/°C	4.3	4.0

SIC : Reaction sintered SIC

SSIC : Pressureless sintered SIC