

Pressureless Sintering Silicon Carbide Ceramic Material Properties-SU0002

Properties	Unit	Value
Silicon Carbide Content	%	≥99
Color	-	Grey Black
Density	g/cm ³	3.10-3.15
Porosity	%	<0.1
Hardness (HRA)	HRA	≥92
Flexural Strength	MPa	≥400
Compressive Strength (HV0.5)	MPa	≥2600
Modulus of Elasticity	MPa	410.00
Poisson's Ratio	-	0.16
Maximum Working Temperature	°C	1,600.00
Thermal Conductivity (Room Temperature)	W/m.K	100-120
Thermal Expansion Coefficient	10 ⁻⁶ /°C	4.00

Remark: The value is just for review, different using conditions will have a little difference.

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