

Technical Data Sheet

Product Name: Silicon Carbide Plate
Catalog No.: SC0896
Density: 3.05~3.15 g/cm³
Shape: Plate
Purity: 97%~99%



Properties

Properties	Recrystallized SiC	Sintered SiC	Reaction Bonded SiC
Purity of Silicon Carbide	99.5%	98%	> 88%
Max. Working Temp. (°C)	1650	1550	1300
Bulk Density (g/cm ³)	2.7	3.1	> 3
Appearance Porosity	< 15%	2.5	0.1
Flexural strength (MPa)	110	400	380
Compressive strength (MPa)	> 300	2200	2100
Thermal expansion (10 ⁻⁶ /°C)	4.6 (1200°C)	4.0 (< 500°C)	4.4 (< 500°C)
Thermal conductivity (W/m.K)	35~36	110	65
Main characteristics	High temp High resistance High purity	Fracture Toughness	Chemical Resistance

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By..... *W. J. ...*