

Technical Data Sheet

Product Name: Silicon Carbide Balls
Catalog No.: SC0895
Appearance/Color: Black Solid
Dia.: 1~30mm
Shape: Ball
Purity: 88-99.5%



Specification

	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/cm³)	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. resistance. High purity	Fracture Toughness	Chemical Resistance

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By.....*Norman*.....