



Silicon Carbide Balls

Nextgen Advanced Materials supplies the sintered SiC balls, reaction bonded SiC balls and recrystallized SiC balls. Our recrystallized SiC products have a high purity, while our reaction bonded and sintered silicon carbide balls have a high mechanical strength. Customization is available too.

Product Description

You are welcomed to come to our factory to buy the latest selling, low price, and high-quality Nextgen Silicon Carbide Balls . We insist on standardization, systematization and standardization of production, implement an all-round and multi-angle quality management strategy to ensure product quality, whole process quality inspection and tracking, and not let go of every small link. Silicon carbide (SiC) is a lightweight ceramic material with high strength properties comparable to diamond.

It has excellent thermal conductivity, low thermal expansion and good wear resistance. Silicon carbide is an excellent ceramic material for applications requiring high temperature, good erosion and abrasive resistance. Consequently, it is useful in a variety of applications including spray nozzles, shot blast nozzles and cyclone components.



Specification

	Recrystallized SiC	Sintered SiC	Reaction Bonded SiC
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Purity of Silicon Carbide	99.50%	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.	Fracture Toughness	Chemical Resistance
	High purity		