



## Silicon Carbide Gasket

Silicon carbide has good corrosion resistance, great mechanical strength under high temperature and excellent wear resistance. Nextgen Advanced Materials supplies Silicon Carbide Gasket with high quality and fast delivery. Customization is also available.

### Product Description

Nextgen Advanced Materials INC is manufacturer & supplier who mainly produces Silicon Carbide Gasket with many years of experience. Silicon carbide (SiC) is a lightweight ceramic material with high strength properties comparable to diamond. It has excellent thermal conductivity, low thermal expansion, and is resistant to acid corrosion. Silicon carbide is an excellent ceramic material suitable for applications requiring good corrosion resistance and wears resistance, such as gasket.

Our silicon carbide gasket is useful in a variety of applications including spray nozzles, shot blast nozzles, and cyclone components.



### Specification

Property	
Compound Formula	SiC
Molecular Weight	40.1
Appearance	Black
Melting Point	2,730° C (4,946° F) (decomposes)

Density	3.0 to 3.2 g/cm <sup>3</sup>
Electrical Resistivity	1 to 4 10 <sup>x</sup> Ω-m
Poisson's Ratio	0.15 to 0.21
Specific Heat	670 to 1180 J/kg-K

### Silicon Carbide Gaskets Specifications

Type	Material	Description
Sintered Silicon Carbide (S-SiC)	ETB1 Basic pure SiC	Purity of SiC > 98%
		Hv: 26 GPa
	ETG1 Graphite impregnated	15%~20% content of Graphite
	ETP1 Porous	Better friction resistance
Reaction Bonded Silicon Carbide (RB-SiC)	ETB2 Basic SiC	Purity of SiC > 88%
	ETG2 Graphite impregnated	20%~30% content of Graphite