



Silicon Carbide Seal Ring

Silicon carbide is an ideal material for seal rings. It has good corrosion resistance, great mechanical strength under high temperature and excellent wear resistance. Nextgen Advanced Materials supplies Silicon Carbide Seal Ring with high quality and fast delivery. Customization is also available.

Product Description

You can rest assured to buy customized Nextgen Silicon Carbide Seal Ring from us. In addition, we are experts in global export and have successfully supplied to more than 60 countries/regions. If you have any questions, please feel free to contact us. Silicon carbide (SiC) has excellent thermal conductivity, corrosion resistance, and low thermal expansion. Silicon carbide is an excellent material for sealing rings and bearings. Silicon carbide seal rings have excellent corrosion resistance, great wear resistance, and great mechanical strength under high temperatures. We supply many sizes of silicon carbide seal ring as well as other SiC products.



Silicon Carbide Properties

Item	Parameter
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 ³
Electrical Resistivity	1 to 4 10x Ω-m
Poisson's Ratio	0.15 to 0.21
Specific Heat	670 to 1180 J/kg-K

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