



Silicon Carbide Seat

Silicon carbide is an ideal material for pump seats. Nextgen Silicon carbide seats have excellent corrosion resistance, great mechanical strength under high temperature, and great wear resistance. Nextgen Advanced Materials supplies multiple sizes of silicon carbide seats as well as other SiC parts. Customization is also available.

Product Description

As the professional manufacture, we would like to provide you high quality Nextgen Silicon Carbide Seat. North America, Europe and Asia-pacific region is our main geographical market area. Silicon carbide is an ideal material for pump seats. Silicon carbide seats have excellent corrosion resistance, great mechanical strength under high temperature, and great wear resistance. We can supply multiple sizes of silicon carbide seats as well as other SiC parts.

Silicon carbide seats have great mechanical properties. Carbon-impregnated silicon carbide materials effectively improve self-lubrication. Stanford Advanced Materials supplies silicon carbide seats processed by sintering and reaction bonding to fulfill various requirements of our customers. We can deliver both flat silicon carbide seats and custom-manufactured silicon carbide seats with complex shapes.



Silicon Carbide Seats Specification

Type	Material	Description
Sintered Silicon Carbide (S-SiC)	SMB1 Basic pure SiC	Purity of SiC > 98% Hv: 26 GPa
	SMG1 Graphite	15%~20% content of

	impregnated	Graphite
	SMP1 Porous	Better friction resistance
Reaction Bonded Silicon Carbide (RB-SiC)	SMB2 Basic SiC	Purity of SiC > 88%
	SMG2 Graphite impregnated	20%~30% content of Graphite