

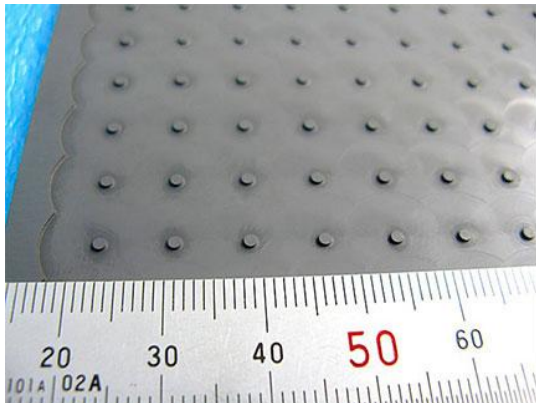
### SiC Tray



You can rest assured to buy Nextgen SiC Tray from our factory. Silicon carbide is an ideal material for trays. It has good corrosion resistance, great mechanical strength under high temperature and excellent wear resistance. Nextgen Advanced Materials supplies Silicon Carbide Tray with high quality and fast delivery. Customization is also available.

### Product Description

You are welcomed to come to our factory to buy the latest selling, low price, and high-quality Nextgen SiC Tray. Nextgen Advanced Materials INC has established a strict production process, rigorous product testing means and quality assurance system. 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 corrosion from acids. Silicon carbide is an excellent ceramic material for applications requiring good erosion and abrasive resistance. Consequently, it is useful in a variety of applications including spray nozzles, shot blast nozzles and trays.



### Silicon Carbide Tray Specifications

	Recrystallized SiC	Sintered SiC	Reaction Bonded SiC
Purity of Silicon Carbide	99.50%	98%	> 88%
Max. Working Temp. (°C)	1650	1550	1300
Bulk Density (g/cm <sup>3</sup> )	2.7	3.1	> 3
Appearance Porosity	< 15%	2.5	0.1
Flexural strength (MPa)	110	400	380
Compressive	>300	2200	2100

strength (MPa)			
Thermal expansion (10 <sup>-6</sup> /°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		