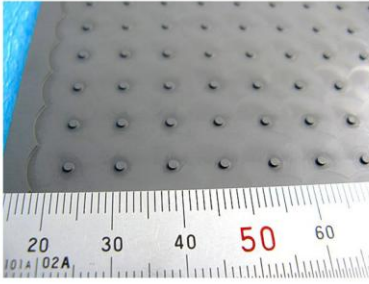


## Silicon Carbide Tray



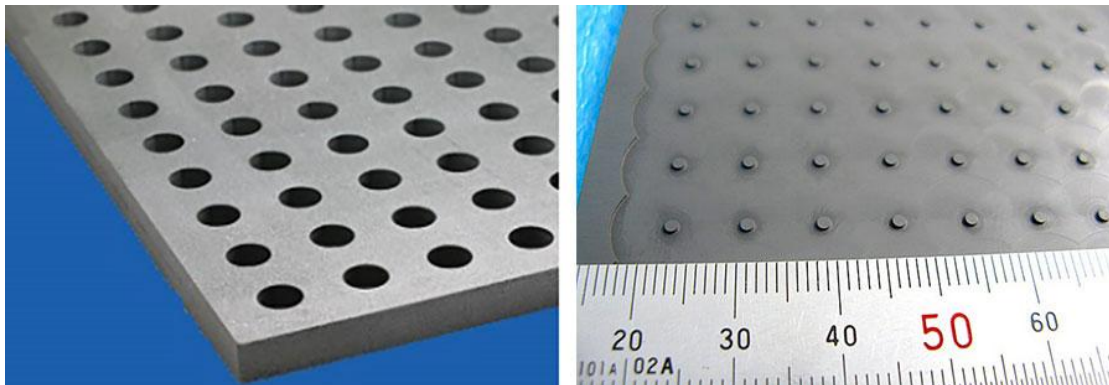
Nextgen Advanced Materials INC is a professional leader Silicon Carbide Tray manufacturer with high quality and reasonable price. Welcome to contact us. Silicon carbide is an ideal material for trays. It has good corrosion resistance, great mechanical strength under high temperature and excellent wear resistance. Nextgen Advanced Materials supplies SiC Tray with high quality and fast

delivery. Customization is also available.

### Product Description

As the professional manufacture, we would like to provide you Nextgen Silicon Carbide Tray. Our products have a good quality&price advantage and cover most of the European and American markets. We look forward to becoming your long-term partner. 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.



### SiC 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 strength (MPa)	>300	2200	2100
Thermal expansion ( $10^{-6}/^{\circ}\text{C}$ )	4.6 (1200 $^{\circ}\text{C}$ )	4.0 (< 500 $^{\circ}\text{C}$ )	4.4 (< 500 $^{\circ}\text{C}$ )
Thermal conductivity (W/m.K)	35~36	110	65
Main characteristics	High temp. High resistance.	Fracture Toughness	Chemical Resistance
	High purity		