

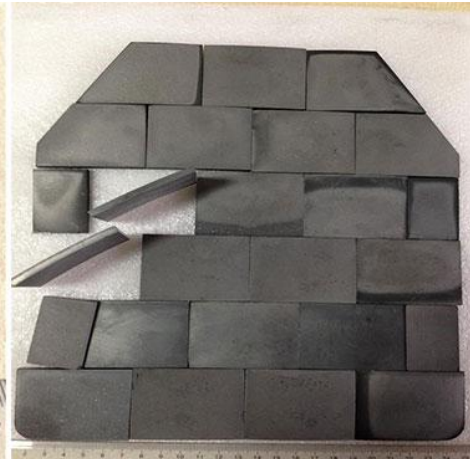
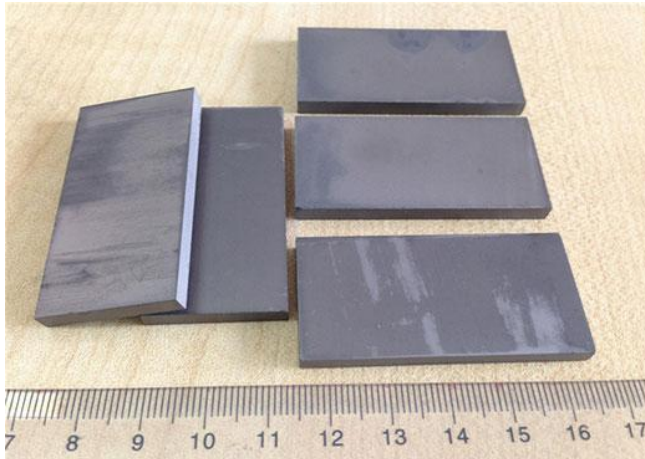
### Boron Carbide Plate

Due to its high strength, low density, corrosion resistance, high temperature resistant, low thermal conductivity, and high modulus of elasticity, the boron carbide plate is ideal for a wide variety of applications. Nextgen Advanced Materials supplies Boron Carbide Plates with high quality and fast delivery. The customization is also available.

### Product Description

Nextgen Advanced Materials INC is a professional Boron Carbide Plate manufacturer and supplier, if you are looking for the best Boron Carbide Plate with low price, consult us now! Boron carbide, B<sub>4</sub>C, is an extremely hard ceramic material discovered in 1899. It is the third hardest material known, after diamond and cubic boron nitride.

The hardness of boron carbide and silicon carbide is extremely high, and density is relatively low, making it an ideal material for a bulletproof vest. It has good corrosion resistance, great mechanical strength under high temperature, and excellent wear resistance. We can supply boron carbide plates in various sizes and shapes made by boron carbide ceramic material.



### Boron Carbide Specification

Properties	Unit	Value
Bulk Density	g/cm <sup>3</sup>	2.48-2.51
Elastic Modulus	Gpa	>400
Bending Strength	Mpa	>380
Fracture Toughness	Mpa.m <sup>1/2</sup>	>3.0



Nextgen Advanced Materials INC

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Vickers hardness	Kgf/mm <sup>2</sup>	>2800
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