



### Silicon Carbide Insert

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#### Product Description

You can rest assured to buy customized Nextgen Silicon Carbide Insert from us. Our group has experience in producing for more than 20 years, and has started to export for 15 years. Now 50% of our products are exported to all over the world, including South America, the USA, Middle-East, Turkey, East Europe, Bangladesh, Africa, etc. Silicon carbide is an ideal material for pump inserts. It has excellent corrosion resistance, great mechanical strength under high temperature and great wear resistance. Silicon carbide ceramic has superior favor and efficiency compared to other vaporization surfaces.

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



#### Specifications

| Type | Material | Description |
|------|----------|-------------|
|------|----------|-------------|

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