

# 碳化硅产品

## 1.Silicon carbide ceramics: SiC Armor plate

碳化硅陶瓷： 碳化硅陶瓷防弹板

High density, strong hardness, good Bending strength and lower cost; providing armor protection with tank, land vehicles, and body of military and police.

密度高、硬度高、弯曲强度高、成本低；为坦克、装甲车和士兵、警察提供更好的装甲保护

### SiC pressureless sintered Ceramic Plate (SSiC)

Volume density	g/cm <sup>3</sup>	3.12 Min
Bending strength	Mpa	380 Min
Hardness	HV0.5	2600 Min
Elasticity modulus	Gpa	390 Min
Compressive strength	Mpa	2000 Min
Coefficient of thermal expansion	10 <sup>-6</sup> /° C	4.0
Thermal conductivity coefficient	W/m.k	90-110
Chemical composition		SiC

碳化硅无压烧结陶瓷制品

密度	g/cm <sup>3</sup>	>=3.12
弯曲强度	Mpa	>=380
硬度	HV0.5	>=2600
弹性模量	Gpa	>=390
抗压强度	Mpa	>=2000
热膨胀系数	10 <sup>-6</sup> /° C	4.0
导热系数	W/m.k	90-110
化学组成		SiC



**2.碳化硅密封环** Silicon carbide seal ring

碳化硅喷嘴 Silicon carbide spray nozzle

Silicon carbide Spray Nozzle and Seal ceramics can be produced according to customers' request.

碳化硅喷嘴和密封环系列产品可以按照客户需求生产。

**SiC pressureless sintered Ceramics (SSiC)：碳化硅无压烧结陶瓷制品：**

**Spray Nozzle, Seal ceramics 喷嘴和密封环系列**

Volume density 密度	g/cm <sup>3</sup>	2.65 Min
Bending strength 弯曲强度	Mpa	150 Min
Elasticity modulus 弹性模量	Gpa	120 Min
Compressive strength 抗压强度	Mpa	1500 Min
Coefficient of thermal expansion 热膨胀系数	10 <sup>-6</sup> /° C	3.0
Thermal conductivity coefficient 导热系数	W/m.k	120
Chemical composition 化学组成		SiC



### 热交换管

Heat Exchanging Tube



Dimension (mm) Out Dia X Inner Dia X Length	壁厚 (mm) Wall Thickness
32x26x300mm	3
35x25x300mm	5

### 棍棒

Roller & Bar

40x24x300mm	8
50	8
60	8
70	8

