



VeTek semiconductor Technology Co., LTD

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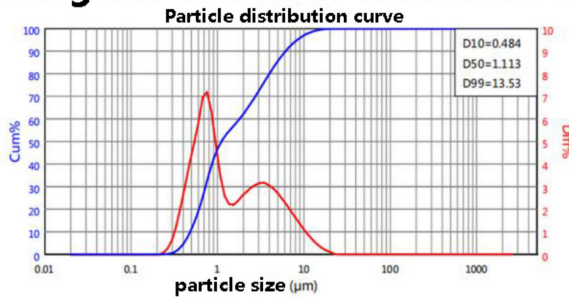


# Company Profile

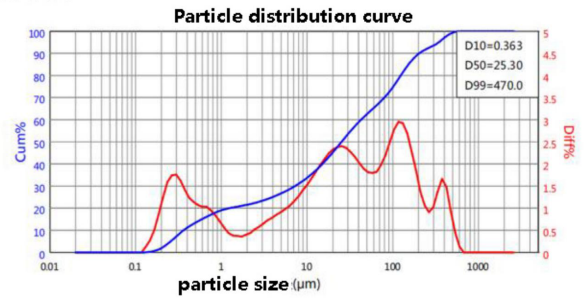
VeTek semiconductor Technology Co., LTD, founded in 2016, is a leading provider of advanced coating materials for the semiconductor industry. Our founder, a former expert from the Chinese Academy of Sciences' Institute of Materials, established the company with a focus on developing cutting-edge solutions for the industry.

Our main product offerings include CVD silicon carbide (SiC) coatings, tantalum carbide (TaC) coatings, bulk SiC, SiC powders, and high-purity SiC materials. The main products are SiC coated graphite susceptor, preheat rings, TaC coated diversion ring, halfmoon parts, etc., the purity is below 5ppm, can meet customer requirements.

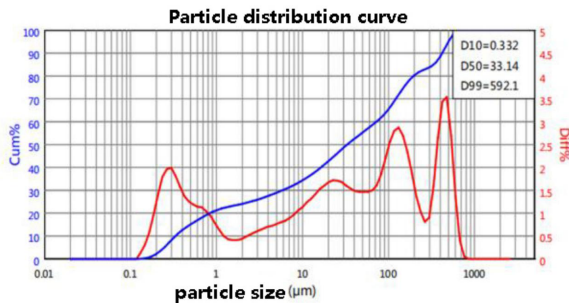
## 1. Particle Size Range: Covering submicron to millimeter scales.



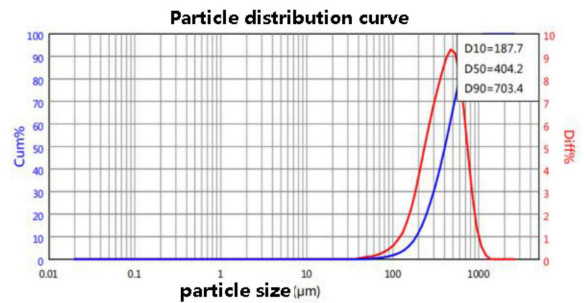
1-2mm



20-30mm



30-40mm



400-425mm

## 2. Powder Purity

GDMS

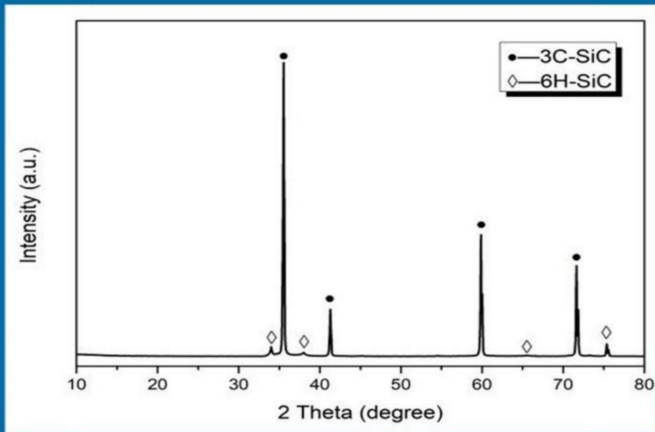
元素	含量	元素	含量
Li	< 0.01	Ag	< 0.1
Be	< 0.01	Cd	< 0.5
B	0.33	In	辅助电极
C	未成分	Sn	< 0.5
F	< 1	Sb	< 0.5
Na	0.12	Te	< 0.1
Mg	0.13	I	< 5
Al	0.6	Cs	< 0.1
Si	未成分	Ba	< 0.05
P	0.39	La	< 0.5
S	1.5	Ce	< 0.1
Cl	0.52	Pr	< 0.5
K	< 0.1	Nd	< 0.05
Ca	< 0.1	Sm	< 0.05
Se	< 0.1	Eu	< 0.05
Ti	0.07	Gd	< 0.05
V	3	Tb	< 0.05
Cr	0.13	Dy	< 0.05
Mn	< 0.05	Ho	< 0.05
Fe	2	Er	< 0.05
Co	0.15	Tm	< 0.05
Ni	1.7	Yb	< 0.05
Cu	< 0.05	Lu	< 0.05
Zn	< 0.05	Hf	< 0.05
Ga	< 0.05	Ta	< 10
Ge	< 0.05	W	0.42
As	< 0.05	Re	< 0.05
Se	< 0.1	Os	< 0.01
Br	< 0.1	Ir	< 0.01
Rb	< 0.1	Pt	< 0.01
Sr	< 0.05	Au	< 0.5
Y	< 0.1	Hg	< 0.1
Zr	< 0.1	Tl	< 0.05
Nb	< 0.1	Pb	< 0.05
Mo	0.15	Bi	0.03
Ru	< 0.01	Th	< 0.005
Rh	< 0.01	U	< 0.005
Pd	< 0.1		

GDMS

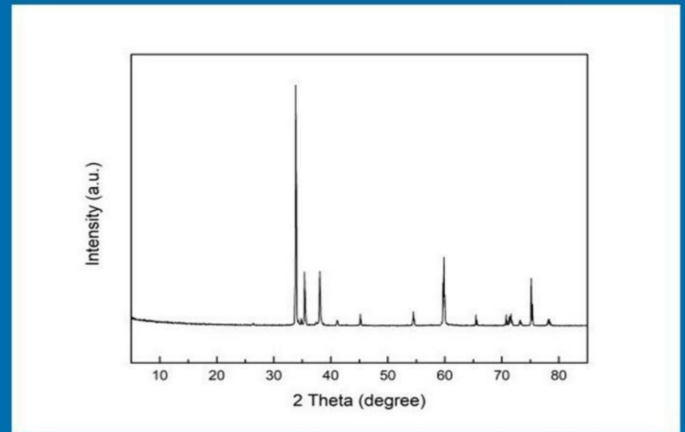
元素	含量	元素	含量
Li	< 0.01	Ag	< 0.1
Be	< 0.01	Cd	< 0.5
B	0.14	In	辅助电极
C	未成分	Sn	< 0.5
F	< 1	Sb	< 0.5
Na	0.06	Te	< 0.1
Mg	< 0.05	I	< 5
Al	0.26	Cs	< 0.1
Si	未成分	Ba	< 0.05
P	0.42	La	< 0.5
S	0.39	Ce	< 0.1
Cl	0.15	Pr	< 0.5
K	< 0.1	Nd	< 0.05
Ca	< 0.1	Sm	< 0.05
Se	< 0.05	Eu	< 0.05
Ti	0.07	Gd	< 0.05
V	5.1	Tb	< 0.05
Cr	< 0.1	Dy	< 0.05
Mn	< 0.05	Ho	< 0.05
Fe	1.4	Er	< 0.05
Co	0.18	Tm	< 0.05
Ni	2.2	Yb	< 0.05
Cu	< 0.05	Lu	< 0.05
Zn	< 0.05	Hf	< 0.05
Ga	< 0.05	Ta	< 10
Ge	< 0.05	W	1.2
As	< 0.05	Re	< 0.05
Se	< 0.1	Os	< 0.01
Br	< 0.1	Ir	< 0.01
Rb	< 0.1	Pt	< 0.01
Sr	< 0.05	Au	< 0.5
Y	< 0.1	Hg	< 0.1
Zr	< 0.1	Tl	< 0.05
Nb	< 0.1	Pb	< 0.05
Mo	0.16	Bi	< 0.01
Ru	< 0.01	Th	< 0.005
Rh	< 0.01	U	< 0.005
Pd	< 0.1		

### 3. Powder Crystals

Customizable powder mixing ratios based on customer requirements

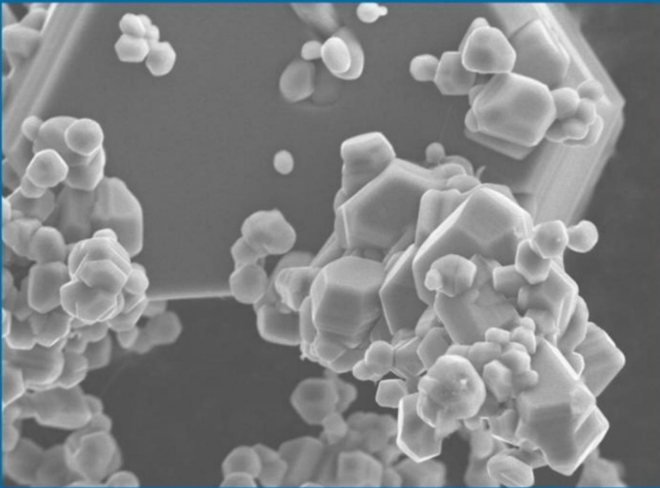


$\beta$ -SiC  $\geq 98\%$

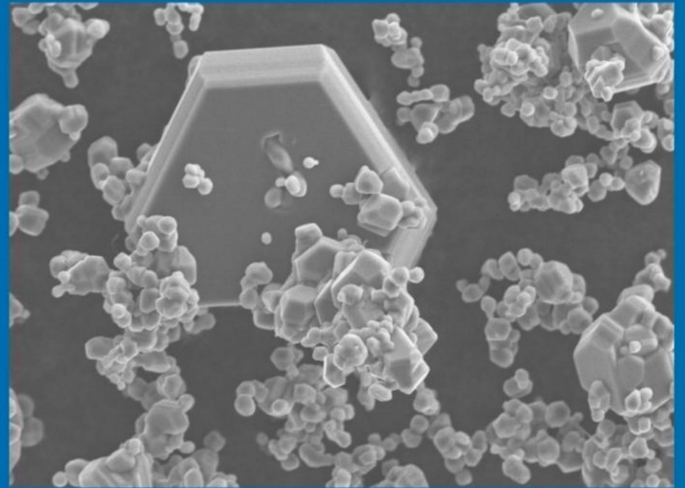


Pure  $\alpha$ -SiC

### 4. Microscopic Morphology



20 $\mu$ m



50 $\mu$ m

### 5. Macroscopic Morphology





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