



Technical Data Sheet

ACS Material Silicon Carbide Nanowires

Table of Contents

[1 – Preparation Method](#)

[2 – Characterizations](#)

[3 – Application Fields](#)

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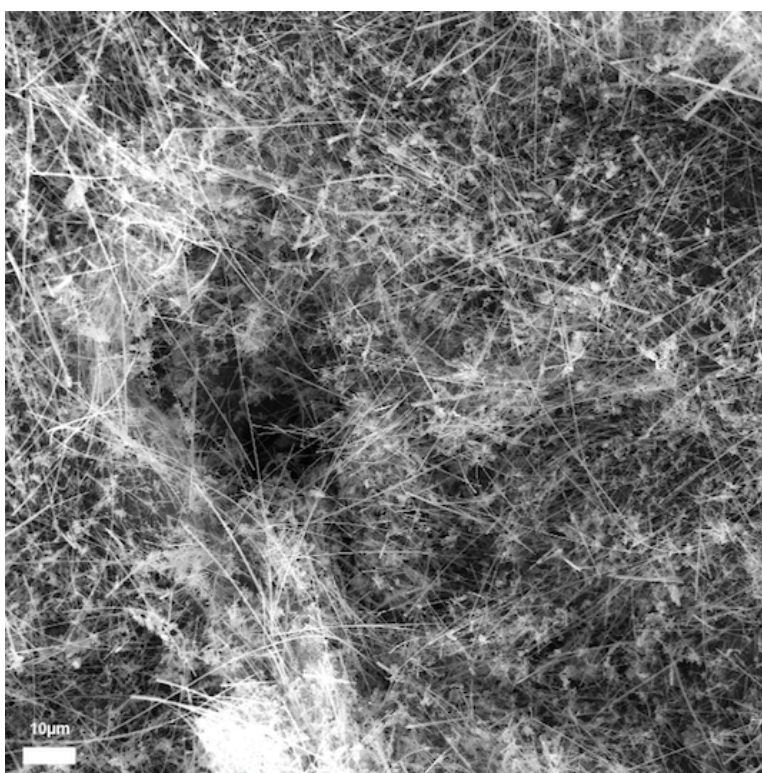
Revision: 102819

1. Preparation Method

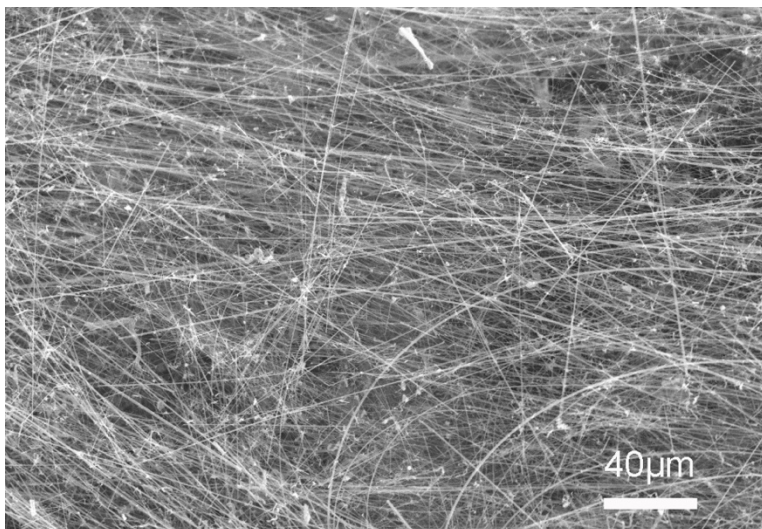
CVD Method

2. Characterizations

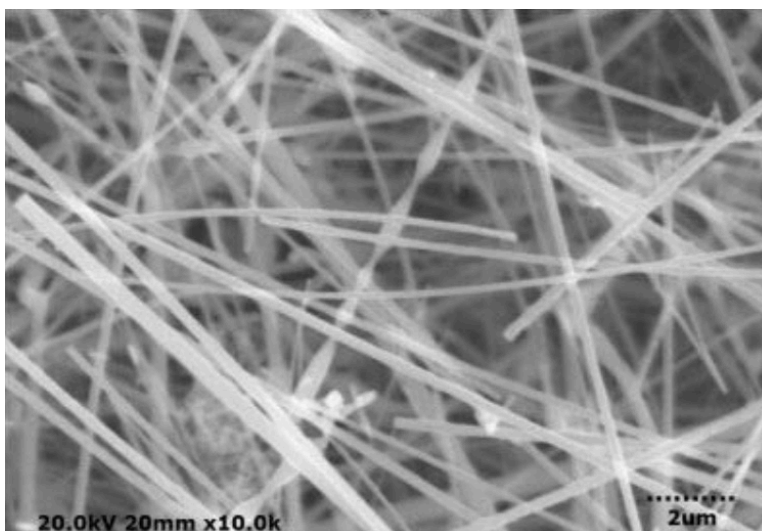
SKU	Product Description	Diameter	Length	Purity	Density	Structure	Pack
NWSH0202	SiC nanowire (Ultra Long)	100-600nm	>100μm	~98%	3.21g/cm ³	Beta(Cubic)	5g
NWSC0201	Conventional SiC nanowire	100-600nm	50~100μm	~98%	3.21g/cm ³	Beta(Cubic)	1g
NWSC0202	Conventional SiC nanowire	100-600nm	50~100μm	~98%	3.21g/cm ³	Beta(Cubic)	5g
NWSI0301	SiC nanowire (Short)	100-600nm	10-50μm	~80-90%	3.21g/cm ³	Beta(Cubic)	10g
NWSI0302	SiC nanowire (Short)	100-600nm	10-50μm	~80-90%	3.21g/cm ³	Beta(Cubic)	100g



Typical SEM Image of ACS Material Ultra Long Silicon Carbide Nanowires



Typical SEM Image of ACS Material Ultra Long Silicon Carbide Nanowires



Typical SEM Image of ACS Material Conventional Silicon Carbide Nanowires

Product	CaO	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	Na ₂ O	ZrO ₂
SiC nanowire (Ultra Long)	<0.11	<0.08	<0.1	<0.08	<0.07	<0.06	<0.05
Conventional SiC nanowire	<0.11	<0.08	<0.1	<0.08	<0.07	<0.06	<0.05
SiC nanowire (Short)	<0.12	<0.1	<0.2	<0.1	<0.1	<0.07	<0.05

Impurity Analysis Table of ACS Material Silicon Carbide Nanowires

3. Application Fields

Information technology, electronic devices, finishing machining, military industry, aerospace, refractory, specific ceramics, grinding materials, and reinforcing materials etc.

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