



## Products & Prices

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## Company Profile

Chengdu Organic Chemicals Co. Ltd., Chinese Academy of Sciences (COCC) is a state-owned high-tech enterprise focused on technology research and development. It was transformed from Chengdu Institute of Organic Chemistry of Chinese Academy of Science (CIOC) established in 1958.

Timesnano belongs to COCC. Timesnano began to prepare CNTs by natural gas catalytic decomposition in 1996, supported by Foundation of President of the Chinese Academy of Science, Knowledge Innovation Project of CAS, 863 Project, Major National Scientific Research Plan and so on. Timesnano has done a lot of work on CNTs synthesis and application, and a series of progresses has been obtained. Timesnano is one member of CNTs National Standards drafting. By the end of 2015, Timesnano applied for 43 patents with 15 authorized, and published more than 100 SCI papers.

Timesnano is one of the world's major CNTs manufacturers. Its R&D capability, manufacturing level and product quality are in the advanced ranks in the world. Furthermore, Timesnano is the earliest member to realize CNTs industrial production in China and realize industrial application in China. Not only skilled in R&D and production, Timesnano is also committed to the transformation of achievements. Based on the core technology achievements of Timesnano, BTR Battery Material Co., Ltd., Shenzhen Nanotech Port Co., Ltd., Shenzhen Sanshun Zhongke New Material Co., Ltd and Sichuan Xingneng New Materials Co., Ltd were established.

With the expansion of research on carbon nanomaterial, Timesnano launched graphene products in 2011. Currently, the products of Timesnano include CNTs powder, CNTs paste, CNTs array, CNTs fiber, CNTs film, CNTs film adhesive tape, graphene, graphene film, graphene foam, graphene oxide, graphene nanoplatelets, fullerene, nano-ceramic powders and their related application products, such as conductive additives for lithium ion battery, CNTs conductive heating coating, CNTs thermal radiation coating, CNTs transparent static conductive coating, CNTs conductive fillers, CNTs functional masterbatches, CNTs epoxy composite, etc. At present, the production capacity of multi-walled carbon nanotubes is 700 tons / year. The production capacity of carbon nanotube paste is 2000 tons/year. The production capacity of high purity single wall carbon nanotube is 2 tons/year. The production capacity of graphene is 30 tons/year. The production capacity of graphite nanoplatelet is 50 tons/year.



Timesnano will remain committed to research and manufacture work on nanometer materials, maintain to be a globally reliable supplier of nanometer materials, and try its best to make contribution to global nanometer materials career and human civilization.

## Development History

Foundation of Chengdu Institute of Organic Chemistry, Chinese Academy of Science	1958
Beginning to prepare CNTs by Catalytic cracking of natural gas	1996
Realizing CNTs industrial production for the first time in China (Establishing Shenzhen Nanotech Port Co., Ltd)	2001
Establishment of TIMESNANO business Division	2003
Launching high purity SWCNTs	2005
Development of CNTs-based Conductive Additives for Lithium Ion Battery	2006
Realizing CNTs industrial application in lithium-ion battery for the first time in China	2008
Establishing Shenzhen Sanshun zhongke new material Co., Ltd	2010
Launching graphene	2011
Expanding the CNTs production to above 200 t/a	2013
Expanding the CNTs paste production to above 2000 t/a	2014

## Trading Units

Timesnano offers its products in standard quantities. Trading units other than those given in this publication are not available. If you wish to purchase any product in Tap quantity, please feel free to contact us for a quotation.

## Prices

All prices listed in this publication are net prices and given in US dollar ( \$ ). Shipping and handling charges are to be added to your account (see below). Any additional taxes and duties are payable by the customer.

Prices are subject to change. Please contact us for a firm quotation. All previously published price information will become void after December 3<sup>rd</sup>, 2014.

## Shipping and handling charges

China:

Shipments are routinely made by **SF express**. A shipping charge of ¥ 20.00 applies for most order.

All other destinations:

Shipments are routinely made by **FedEx**. Shipping and handling charges apply. The shipping charges depend on the destination as well as on the actual gross weight of the shipment and therefore have to be determined individually. Alternatively, shipment can be arranged through any other courier service of your choice. Please

provide your account number with your preferred courier service when Ordering. The handling charges of \$30.00 applied for every order.

Please note that not all products listed in this publication are on-stock items and may therefore have longer delivery times.

**According to export regulations several products are undeliverable in several countries.**

## **Payment**

Payment is possible by Wire Transfer (T/T). Terms of payment should be advance payment. All deliveries are subject to our General Terms and Conditions which can be found on our website ([www.timesnano.com](http://www.timesnano.com)).

## **Can't find the product you need?**

If you wish to purchase a product that is not listed in this publication please do not hesitate to contact us. We offer custom synthesis of many carbon nanotubes, carbon nanotubes-based products and graphene at very competitive prices.

Your suggestions for new products are always welcome!

## **How to place an Order**

Orders should state clearly the name, product code and quantity of each product you wish to purchase as well as your VAT-ID number. Please send your Orders by email to

[carbon@cioc.ac.cn](mailto:carbon@cioc.ac.cn)

[nano@cioc.ac.cn](mailto:nano@cioc.ac.cn)

[times@cioc.ac.cn](mailto:times@cioc.ac.cn)

Orders by email are preferred. You will receive a purchase Order confirmation by email or fax within 48 hours of receipt of your Order. Please let us know if you do not receive a purchase Order confirmation within this time.

## **Category**

### **Nanomaterials from Timesnano**

Timesnano offers CNTs (carbon nanotubes), CNTs-based products and graphene in small quantity for researchers and in Tap Order for industry groups. Our expertise in the properties, applications and various manufacturing of advance and engineered materials allows us to meet the needs of our customers.

### **Carbon Nanotubes:**

SWCNTs

DWCNT

MWCNTs

Graphitized MWCNTs

Specific MWCNTs

Industrial MWCNTs

–OH and –COOH functionalized CNTs

Length tailored CNTs

### **CNTs-based Products:**

CNTs Dispersant and Dispersion and Paste

CNTs Conductive Filler

CNTs/Polymer Composite

CNTs Functional Coating

### **Graphene:**

(1) Graphene

(2) Graphene Dispersion

(3) Single Layer Graphene Oxide

(4) Single Layer Graphene Oxide Dispersion

(5) Graphene Nanoplatelets

### **Fullerene**

### **Nano-ceramic Powders**

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## Abbreviations

ID	Inner Diameter
OD	Outer Diameter
SSA	Specific Surface Area
EC	Electric Conductivity
SWCNTs	Single-Walled Carbon Nanotubes
DWCNTs	Double-Walled Carbon Nanotubes
MWCMTs	Multi-Walled Carbon Nanotubes
OAN	Oil-Absorption Value
DOP	Diethyl phthalate
MFI	Melt Flow Index

## 1 Graphene Products

### 1.1 Graphene

Product Model	Description	Price
<b>TNPRGO</b>	<b>High-Purity Graphene</b> Purity:>98wt% Thickness:1-3nm Size:>50μm Layers:< 3 SSA:100-200m <sup>2</sup> /g Appearance: Black powder Min Order: 0.5g	\$200/g 0.5-20g Negociable 50g-500g
<b>TNHRGO</b>	<b>High-Electrical Conductivity Plasma Graphene</b> Purity:>99wt% Size: 0.2-0.5μm Layers:< 5 SSA: >300m <sup>2</sup> /g Appearance: Black powder Min Order: 1g	\$100/g 1g-20g Negociable 20g-500g
<b>TNERGO-3</b>	<b>High-Electrical Conductivity Graphene</b> Purity:>98wt% Size: 1-5μm Layers:< 3 SSA: 50-80m <sup>2</sup> /g Appearance: Black powder Min Order: 0.5g	\$200/g 0.5g-20g Negociable 20g-500g
<b>TNERGO-10</b>	<b>High-Electrical Conductivity Graphene</b>	\$200/g 0.5g-20g



Purity:>98wt%  
Size: 8-15 $\mu$ m  
Layers:< 3  
SSA: 70-110m<sup>2</sup>/g  
Appearance: Black powder  
Min Order: 0.5g

Negotiable 20g-500g

<b>TNERGO-50</b>	<b>High-Electrical Conductivity Graphene</b>	\$200/g	0.5g-20g Negotiable 20g-500g
	Purity:>98wt% Size: >50 $\mu$ m Layers:< 3 SSA: 110-170m <sup>2</sup> /g Appearance: Black powder Min Order: 0.5g		
<b>TNRGO</b>	<b>Graphene</b>	\$145/g	0.5-20g Negotiable 50g-500g
	Purity:>98wt% Thickness:0.55-3.74nm Size:0.5-3 $\mu$ m Layers:<10 SSA:500-1000m <sup>2</sup> /g Appearance: Black powder Min Order: 0.5g		
<b>TN3DRGO</b>	<b>Three-Dimensional Graphene</b>	\$84/g	1-50g Negotiable 50g-500g
	Purity: >60 wt% (Containing ~40 wt% Fe nanoparticles anchored on graphene sheet) layers: 3-4 Thickness: <1.4 nm Scale of graphene sheet: 6-8 $\mu$ m Specific Surface Area: 250-350 m <sup>2</sup> /g		
<b>TN3DPRGO</b>	<b>Three-Dimensional Graphene</b>	\$133/g	1-50g Negotiable 50g-500g
	Purity: >96 wt% layers: 3-4 Thickness: <1.4 nm Scale of graphene sheet: 6-8 $\mu$ m		
<b>TNWRGO</b>	<b>Graphene Dispersion</b>	\$145/g	<50g Negotiable 50g-500g
According to the content of solid calculation	Purity:>98wt% Thickness:0.55-3.74nm Size:0.5-3 $\mu$ m Layers:<10 SSA:500-1000m <sup>2</sup> /g TNRGO content: 0.4~0.6 wt % Dispersant Content:0.4~0.6 wt % Appearance: Black water dispersion Min Order:1g		



<b>TNWPRGO</b>	<b>Graphene Aqueous Paste</b> Purity:>98wt% D(50):4-6μm Layers:<10 SSA:500-700m <sup>2</sup> /g TNRGO content: 1-1.5 wt % Dispersant Content:0.2 -0.3wt% Min Order: 1g	\$145/g Negociable 50g-500g	<50g
<b>TNAPRGO</b>	<b>Graphene Ethanol Paste</b> Purity:>98wt% Layers:<10 SSA:500-1000m <sup>2</sup> /g TNRGO content: 1-2wt% Dispersant Content:0.2 -1wt% Min Order: 1g	\$170/g Negociable 50g-500g	<50g
<b>TNDPRGO</b>	<b>Graphene DMF Paste</b> Purity:>98wt% Layers:<10 SSA:500-1000m <sup>2</sup> /g TNRGO content: 1-2wt% Dispersant Content:0.2 -1wt% Min Order: 1g	\$170/g Negociable 50g-500g	<50g
<b>TNNPRGO</b>	<b>Graphene NMP Paste</b> Purity:>98wt% D(50):4-6μm Layers:<10 SSA:500-700m <sup>2</sup> /g TNRGO content: 1-1.5 wt % Dispersant Content:0.2-0.75wt% Min Order: 1g	\$145/g Negociable 50g-500g	<50g
<b>TNNRGO</b>	<b>Nitrogen Doped Graphene</b> Purity:>98wt% Thickness:1-3nm Size:2-10μm Layers:< 3 SSA:100-300m <sup>2</sup> /g Appearance: Black powder Min Order: 0.5g	\$230/g Negociable 50g-500g	0.5-20g
<b>TNRGOC</b>	<b>-COOH Functionalized Graphene</b> Purity:>98wt% Thickness:0.55-3.74nm Size:0.5-3μm Layers:<10 Appearance: Black powder	\$200/g Negociable 50g-500g	0.5-20g

Min Order: 0.5g			
<b>TNRGOH</b>	<b>-OH Functionalized Graphene</b>	\$200/g	0.5-20g
	Purity:>98wt%	Negociable 50g-500g	
	Thickness:0.55-3.74nm		
	Size:0.5-3μm		
	Layers:<10		
	Appearance: Black powder		
	Min Order: 0.5g		
<b>TNRGON</b>	<b>NH<sub>2</sub> Functionalized Graphene</b>	\$230/g	0.5-20g
	Purity:>98wt%	Negociable 50g-500g	
	Thickness:0.55-3.74nm		
	Size:0.5-3μm		
	Layers:<10		
	Appearance: Black powder		
	Min Order: 0.5g		
<b>TNIRGO</b>	<b>Industrial Graphene</b>	\$32/g	1g-50g
	Purity:>97wt%	Negociable 50g-500g	
	Size:<6μm		
	Layers:<10		
	SSA:80-120m <sup>2</sup> /g		
	EC:>100S/m		

## 1.2 Graphene Aerogels(Graphene Foam)

Product Model	Description	Price
<b>TNSGA-1</b>	<b>Strong Graphene Aerogels</b>	\$83/piece
	Diameter: 1.2±0.2cm	
	Height: 1.2±0.2cm	
	Density: 10-20 mg/cm <sup>3</sup>	
<b>TNSGA-2</b>	<b>Strong Graphene Aerogels</b>	\$100/piece
	Diameter: 2.0±0.5cm	
	Height: 2.0±0.5cm	
	Density: 10-20 mg/cm <sup>3</sup>	
<b>TNULGA-1</b>	<b>Ultra-light Graphene Aerogels</b>	\$83/piece
	Diameter: 1.2±0.2cm	
	Height: 1.2±0.2cm	
	Density: 3-5 mg/cm <sup>3</sup>	
<b>TNULGA-2</b>	<b>Ultra-light Graphene Aerogels</b>	\$100/piece
	Diameter: 2.0±0.5cm	
	Height: 2.0±0.5cm	

<b>TNCNTGA-1</b>	Density: 3-5 mg/cm <sup>3</sup>	<b>CNT modified Graphene Aerogels</b>	\$83/piece
	Diameter: 1.2±0.2cm		
	Height: 1.2±0.2cm		
	Density: 4-8 mg/cm <sup>3</sup>		
<b>TNCNTGA-2</b>	Diameter: 2.0±0.5cm	<b>CNT modified Graphene Aerogels</b>	\$100/piece
	Height: 2.0±0.5cm		
	Density: 4-8 mg/cm <sup>3</sup>		
<b>TNMGA-1</b>	Diameter: 1.0cm ± 0.2cm	<b>Magnetic graphene aerogel</b>	\$92/piece
	Height: 1.0cm ± 0.2cm		
	Density: 10-13 mg/cm <sup>3</sup>		
	Content of Fe <sub>3</sub> O <sub>4</sub> : 47±3%		
<b>TNMGA-2</b>	Diameter: 2.0cm ± 0.5cm	<b>Magnetic graphene aerogel</b>	\$108/piece
	Height: 2.0cm ± 0.5cm		
	Density: 10-13 mg/cm <sup>3</sup>		
	Content of Fe <sub>3</sub> O <sub>4</sub> : 47±3%		
<b>TNMGA-3</b>	Diameter: 1.0cm ± 0.2cm	<b>Magnetic graphene aerogel</b>	\$92/piece
	Height: 1.0cm ± 0.2cm		
	Density: 14-17 mg/cm <sup>3</sup>		
	Content of Fe <sub>3</sub> O <sub>4</sub> : 63±3%		
<b>TNMGA-4</b>	Diameter: 2.0cm ± 0.5cm	<b>Magnetic graphene aerogel</b>	\$108/piece
	Height: 2.0cm ± 0.5cm		
	Density: 14-17 mg/cm <sup>3</sup>		
	Content of Fe <sub>3</sub> O <sub>4</sub> : 63±3%		

### 1.3 Graphene Films

Product Model	Description	Price
<b>TNFCA1</b>	<b>Graphene Film on Copper Foil</b>	\$60
	Monolayer A	
	Square Resistance:300-600Ω/◇ Size:1cm*1cm	
<b>TNFCB1</b>	Monolayer B	\$40
	Square Resistance:700-1500Ω/◇ Size:1cm*1cm	
	Few layer	
<b>TNFCF1</b>		\$50

	Square Resistance:500-1200Ω/◇ Size:1cm*1cm	
<b>TNFCA2</b>	MonolayerA	\$160
	Square Resistance:300-600Ω/◇ Size:2cm*2cm	
<b>TNFCB2</b>	MonolayerB	\$80
	Square Resistance:700-1500Ω/◇ Size:2cm*2cm	
<b>TNFCF2</b>	Few layer	\$120
	Square Resistance:500-1200Ω/◇ Size:2cm*2cm	
<b>TNFCA5</b>	Monolayer A	\$460
	Square Resistance:300-600Ω/◇ Size:5cm*5cm	
<b>TNFCB5</b>	Monolayer B	\$300
	Square Resistance:700-1500Ω/◇ Size:5cm*5cm	
<b>TNFCF5</b>	Few layer	\$370
	Square Resistance:500-1200Ω/◇ Size:5cm*5cm	
<b>TNFCA51</b>	Monolayer A	\$730
	Square Resistance:300-600Ω/◇ Size:5cm*10cm	
<b>TNFCB51</b>	Monolayer B	\$460
	Square Resistance:700-1500Ω/◇ Size:5cm*10cm	
<b>TNFCF51</b>	Few layer	\$550
	Square Resistance:500-1200Ω/◇ Size:5cm*10cm	
<b>TNFCA10</b>	Monolayer A	\$1,100
	Square Resistance:300-600Ω/◇ Size:10cm*10cm	
<b>TNFCB10</b>	Monolayer B	\$640
	Square Resistance:700-1500Ω/◇ Size:10cm*10cm	
<b>TNFCF10</b>	Few layer	\$825
	Square Resistance:500-1200Ω/◇ Size:10cm*10cm	
<b>TNFCA15</b>	Monolayer A	\$1280
	Square Resistance:300-600Ω/◇ Size:10cm*15cm	
<b>TNFCB15</b>	Monolayer B	\$825
	Square Resistance:700-1500Ω/◇ Size:10cm*15cm	

<b>TNFCF15</b>	Few layer Square Resistance:500-1200Ω/◇ Size:10cm*15cm	\$1,100
<b>TNFCA23</b>	MonolayerA Square Resistance:300-600Ω/◇ Size:20cm*30cm	\$2,200
<b>TNFCB23</b>	MonolayerB Square Resistance:700-1500Ω/◇ Size:20cm*30cm	\$1,470
<b>TNFCF23</b>	Few layer Square Resistance:500-1200Ω/◇ Size:20cm*30cm	\$1,650

Product Model	Description	Price
	<b>Steeping-Taking Graphene Film on Copper Foil</b>	
<b>TNFPCA1</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:1cm*1cm	\$80
<b>TNFPCB1</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:1cm*1cm	\$48
<b>TNFPCF1</b>	Few layer Square Resistance:500-1200Ω/◇ Size:1cm*1cm	\$50
<b>TNFPCA2</b>	MonolayerA Square Resistance:300-600Ω/◇ Size:2cm*2cm	\$240
<b>TNFPCB2</b>	MonolayerB Square Resistance:700-1500Ω/◇ Size:2cm*2cm	\$120
<b>TNFPCF2</b>	Few layer Square Resistance:500-1200Ω/◇ Size:2cm*2cm	\$180
<b>TNFPCA5</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:5cm*5cm	\$590
<b>TNFPCB5</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:5cm*5cm	\$360
<b>TNFPCF5</b>	Few layer Square Resistance:500-1200Ω/◇ Size:5cm*5cm	\$400
<b>TNFPCA51</b>	Monolayer A Square Resistance:300-600Ω/◇	\$860

<b>TNFPCB51</b>	Size:5cm*10cm Monolayer B Square Resistance:700-1500Ω/◇	\$510
<b>TNFPCF51</b>	Size:5cm*10cm Few layer Square Resistance:500-1200Ω/◇	\$730
<b>TNFPCA10</b>	Size:5cm*10cm Monolayer A Square Resistance:300-600Ω/◇	\$1,280
<b>TNFPCB10</b>	Size:10cm*10cm Monolayer B Square Resistance:700-1500Ω/◇	\$730
<b>TNFPCF10</b>	Size:10cm*10cm Few layer Square Resistance:500-1200Ω/◇	\$920

Product Model	Description	Price
	<b>Impending Self-help Transfer Graphene Film</b>	
<b>TNFTA1</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:1cm*1cm	\$80
<b>TNFTB1</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:1cm*1cm	\$40
<b>TNFTF1</b>	Few layer Square Resistance:500-1200Ω/◇ Size:1cm*1cm	\$60
<b>TNFTA2</b>	MonolayerA Square Resistance:300-600Ω/◇ Size:2cm*2cm	\$240
<b>TNFTB2</b>	MonolayerB Square Resistance:700-1500Ω/◇ Size:2cm*2cm	\$120
<b>TNFTF2</b>	Few layer Square Resistance:500-1200Ω/◇ Size:2cm*2cm	\$200
<b>TNFTA5</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:5cm*5cm	\$590
<b>TNFTB5</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:5cm*5cm	\$370
<b>TNFTF5</b>	Few layer	\$460

Square Resistance:500-1200Ω/◇  
Size:5cm\*5cm

Product Model	Description	Price
	<b>Graphene Film on Silicon Oxide Substrates</b>	
<b>TNFMA1</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:1cm*1cm	\$90
<b>TNFMB1</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:1cm*1cm	\$50
<b>TNFMF1</b>	Few layer Square Resistance:500-1200Ω/◇ Size:1cm*1cm	\$70
<b>TNFMA2</b>	MonolayerA Square Resistance:300-600Ω/◇ Size:2cm*2cm	\$260
<b>TNFMB2</b>	MonolayerB Square Resistance:700-1500Ω/◇ Size:2cm*2cm	\$130
<b>TNFMF2</b>	Few layer Square Resistance:500-1200Ω/◇ Size:2cm*2cm	\$180
<b>TNFMA5</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:5cm*5cm	\$640
<b>TNFMB5</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:5cm*5cm	\$370
<b>TNFMF5</b>	Few layer Square Resistance:500-1200Ω/◇ Size:5cm*5cm	\$550
<b>TNFMA7</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:7cm*7cm	\$825
<b>TNFMB7</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:7cm*7cm	\$460
<b>TNFMF7</b>	Few layer Square Resistance:500-1200Ω/◇ Size:7cm*7cm	\$640

Product Model	Description	Price
	<b>Graphene Film on Quartz Substrates</b>	



<b>TNFQA1</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:1cm*1cm	\$90
<b>TNFQB1</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:1cm*1cm	\$50
<b>TNFQF1</b>	Few layer Square Resistance:500-1200Ω/◇ Size:1cm*1cm	\$70
<b>TNFQA2</b>	MonolayerA Square Resistance:300-600Ω/◇ Size:2cm*2cm	\$240
<b>TNFQB2</b>	MonolayerB Square Resistance:700-1500Ω/◇ Size:2cm*2cm	\$130
<b>TNFQF2</b>	Few layer Square Resistance:500-1200Ω/◇ Size:2cm*2cm	\$180
<b>TNFQA5</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:5cm*5cm	\$660
<b>TNFQB5</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:5cm*5cm	\$370
<b>TNFQF5</b>	Few layer Square Resistance:500-1200Ω/◇ Size:5cm*5cm	\$510

Product Model	Description	Price
	<b>Graphene Film on PET Substrates</b>	
<b>TNFPA1</b>	Monolayer A Square Resistance:300-600Ω/◇ Size:1cm*1cm	\$90
<b>TNFPB1</b>	Monolayer B Square Resistance:700-1500Ω/◇ Size:1cm*1cm	\$60
<b>TNFPF1</b>	Few layer Square Resistance:500-1200Ω/◇ Size:1cm*1cm	\$70
<b>TNFPA2</b>	MonolayerA Square Resistance:300-600Ω/◇ Size:2cm*2cm	\$240
<b>TNFPB2</b>	MonolayerB Square Resistance:700-1500Ω/◇	\$130

<b>TNFPF2</b>	Size:2cm*2cm Few layer Square Resistance:500-1200Ω/◇	\$200
<b>TNFPA5</b>	Size:2cm*2cm Monolayer A Square Resistance:300-600Ω/◇	\$640
<b>TNFPB5</b>	Size:5cm*5cm Monolayer B Square Resistance:700-1500Ω/◇	\$370
<b>TNFPF5</b>	Size:5cm*5cm Few layer Square Resistance:500-1200Ω/◇	\$550
<b>TNFPA51</b>	Size:5cm*5cm Monolayer A Square Resistance:300-600Ω/◇	\$730
<b>TNFPB51</b>	Size:5cm*10cm Monolayer B Square Resistance:700-1500Ω/◇	\$460
<b>TNFPF51</b>	Size:5cm*10cm Few layer Square Resistance:500-1200Ω/◇	\$550

#### 1.4 Graphene Foam

Product Model	Description	Price
	<b>Nickel Graphene Foam</b>	
<b>TNNFA1</b>	Monolayer A Thickness:1-1.2mm Size:1cm*1cm	\$80
<b>TNNFA2</b>	Monolayer A Thickness:1-1.2mm Size:2cm*2cm	\$160
<b>TNNFA5</b>	Monolayer A Thickness:1-1.2mm Size:5cm*5cm	\$460
<b>TNNFA51</b>	Monolayer A Thickness:1-1.2mm Size:5cm*10cm	\$730
Product Model	Description	Price
	<b>Impending Self-help Transfer Nickel Graphene Foam</b>	

<b>TNNFTA1</b>	Monolayer A Thickness:1-1.2mm Size:1cm*1cm	\$100
<b>TNNFTA2</b>	Monolayer A Thickness:1-1.2mm Size:2cm*2cm	\$180
<b>TNNFTA3</b>	Monolayer A Thickness:1-1.2mm Size:3cm*3cm	\$416

### 1.5 Graphene Oxide

<b>TNGO</b>	<b>Graphene Oxide Powder</b> Purity:>99wt% Thickness:0.55~1.2nm Size:0.5-3μm Layers:<3 Appearance: Brown yellow powder Min Order: 0.5g	\$130/g Negociable 50g-500g	<50g
<b>TNGO-3</b>	<b>Graphene Oxide Powder</b> Purity:>98wt% ASH: <1.5wt% Size:1-5μm Layers:1-2 Min Order: 0.5g	\$130/g Negociable 50g-500g	<50g
<b>TNGO-10</b>	<b>Graphene Oxide Powder</b> Purity:>98wt% ASH: <1.5wt% Size:8-15μm Layers:1-2 Min Order: 0.5g	\$130/g Negociable 50g-500g	<50g
<b>TNGO-50</b>	<b>Graphene Oxide Powder</b> Purity:>98wt% ASH: <1.5wt% Size:>50μm Layers:1-2 Min Order: 0.5g	\$130/g Negociable 50g-500g	<50g
<b>TNIGO</b>	<b>Industrial Graphene Oxide</b> Purity:>97wt% Thickness:0.55-2.0 nm Size:3-10μm Layers:<5	\$67/g \$50/g	1g-50g 50g-100g
<b>TNIGO-2</b>	<b>Industrial Graphene Oxide</b>	\$26/g	1g-50g

	Purity:>95wt% Thickness:0.55-5.0 nm Size:0.5-10μm Layers:<10	\$16/g	50g-100g
<b>TNWGO</b>	<b>Graphene Oxide Water Dispersion</b>	pH=1-2 \$110/g <50g pH=3-4 \$130/g <50g Negociable 50g-500g	
According to the content of solid calculation	Purity:>99wt% Thickness:0.55~1.2nm Size:0.5-3μm Layers:<3 TNGO content: 1-3wt % Appearance: Brown gel Min Order: 1g		
<b>TNWGO-3</b>	<b>Graphene Oxide Water Dispersion</b>	pH=1-2 \$110/g <50g pH=3-4 \$130/g <50g Negociable 50g-500g	
	Purity:>98wt% ASH: <1.5wt% Size:1-5μm Layers:1-2 TNGO content: 1-3wt% Min Order: 1g		
<b>TNWGO-10</b>	<b>Graphene Oxide Water Dispersion</b>	pH=1-2 \$110/g <50g pH=3-4 \$130/g <50g Negociable 50g-500g	
	Purity:>98wt% ASH: <1.5wt% Size:8-15μm Layers:1-2 TNGO content: 1-3wt% Min Order: 1g		
<b>TNWGO-50</b>	<b>Graphene Oxide Water Dispersion</b>	pH=1-2 \$110/g <50g pH=3-4 \$150/g <50g Negociable 50g-500g	
	Purity:>98wt% ASH: <1.5wt% Size:>50μm Layers:1-2 TNGO content: 1-3wt% Min Order: 1g		
<b>TNWIGO</b>	<b>Industrial Graphene Oxide Water Dispersion</b>	\$40/g 1g-50g \$25/g 50g-100g \$16/g 100g-500g	
	Purity:>97wt% Thickness:<5nm Size:2-8μm Layers:<5 D50=3.737μm		

### 1.6 Graphene oxide Paper

Product Model	Description	Price
<b>TNFOGP3</b>	<b>Graphene oxide Paper</b> Size: Diameter 9.0cm $\pm$ 0.5cm Thickness: 3 $\mu$ m $\pm$ 1 $\mu$ m	\$83/piece
<b>TNFOGP10</b>	<b>Graphene oxide Paper</b> Size: Diameter 9.0cm $\pm$ 0.5cm Thickness: 10 $\mu$ m $\pm$ 2 $\mu$ m	\$83/piece

### 1.7 Graphene Nanoplatelets

<b>TNGNP</b>	<b>Graphene Nanoplatelets</b> Purity:>99.5wt% Thickness:4-20nm Size:5-10 $\mu$ m Layers:<20 Density: 0.6g/cm <sup>3</sup> PH Value:PH=7.00-7.65 (30℃) Appearance: Grey brown powder Min Order: 5g	\$8/g Negociable	5-50g 50g-500g
<b>TNIGNP</b>	<b>Industrial Graphene Nanoplatelet</b> Purity:>90wt% layers: <30 Diameter: 2-16 $\mu$ m Density: 0.6g/cm <sup>3</sup> Volume Resistivity:<0.15 ohm.cm	\$250/kg Negociable	1-10kg >10kg
<b>TNIGNP-2</b>	<b>Industrial Graphene Nanoplatelet</b> Purity:>90wt% Layers: <30 Diameter: 2-13 $\mu$ m Density: 0.2g/cm <sup>3</sup> Volume Resistivity:<0.2 ohm.cm	\$300/kg Negociable	1-10kg >10kg
<b>TNWIGNP</b>	<b>Industrial Graphite Nanoplatelet Aqueous Paste</b> Purity:>90wt% IGNP Content: 5wt% Dispersant Content: 1wt% layers: <30 Diameter: 2-16 $\mu$ m SSA:30-40m <sup>2</sup> /g	\$67/kg Negociable	1-10kg >10kg
<b>TNNIGNP</b>	<b>Industrial Graphite Nanoplatelet NMP Paste</b>	\$67/kg	1-10kg

Purity:>90wt%  
IGNP Content: 5wt%

Negotiable >10kg

Dispersant Content: 1wt%  
layers: <30  
Diameter: 2-16um  
SSA:30-40m<sup>2</sup>/g

### 1.8 Graphene Composite

<b>TNGHC-1</b>	<b>Graphene High Temperature Coating</b> Fineness: ≤20um Density: 1.4-1.8g/cm <sup>3</sup> Solid content:60-70%	\$500/kg	1-10kg
<b>TNIGNP-CNTs</b>	<b>Industrial Graphite Nanoplatelet CNTs Powder Composite</b> Purity:>90wt% GNP and CNTs composition proportion 4:1 adjustable Layers: <30 Median size d(0.5): 5-7um	\$250/kg Negotiable	1-10kg >10kg
<b>TN3DRGO-CNT</b>	<b>Three-Dimensional Graphene/Multi-Walled Carbon Nanotubes Composite</b> Purity: >90 wt% (Containing 5~10 wt% Fe nanoparticles) Graphene layers: 3-4 Graphene Sheet Thickness: <1.4 nm Scale of graphene sheet: 6-8 μm CNT Length (Controllable) : 5-20 μm CNT Outer Diameter (Controllable) : 5-40 nm Specific Surface Area: 50-250 m <sup>2</sup> /g	\$100/g Negotiable	1-50g >50g
<b>TNWIGNP-CNTs</b>	<b>Industrial Graphite Nanoplatelet CNTs Composite Aqueous Paste</b> Purity:>90wt% GNP and CNTs Content: 5wt% GNP and CNTs composition proportion 4:1adjustable Dispersant Content: 0.5-1.5wt% Layers: <30 Median size d(0.5): 3-6um	\$67/kg Negotiable	1-10kg >10kg
<b>TNNIGNP-CNTs</b>	<b>Industrial Graphite Nanoplatelet CNTs Composite NMP Paste</b>	\$ 67/kg Negotiable	1-10kg >10kg

Purity:>90wt%  
 GNP and CNTs Content: 5wt%  
 GNP and CNTs composition proportion  
 4:1adjustable  
 Dispersant Content: 0.5-1.5wt%  
 layers: <30  
 Median size d(0.5): 3-6um

## **2 SWCNTs Products**

### **2.1 High Purity Single-walled Carbon Nanotubes(Purity>95%)(moving catalyst method)**

Product Model	Description	Price	
<b>TNST</b>	<b>High Purity SWCNTs (moving catalyst method)</b>	\$200/g	<50g
SWCNTs	Purity:>95wt%	Negociable 50g-500g	
95%	OD:<2nm	Negociable 500g-5kg	
	Length:5-30 $\mu\text{m}$		
	SSA:>490 $\text{m}^2/\text{g}$		
	ASH: <5wt%		
	Ignited Temperature: >610 $^{\circ}\text{C}$		
	EC:>100s/cm		
	Making method:CVD		
	Appearance: Black powder		
	Min Order: 1g		

### **2.2 High Purity Single-walled Carbon Nanotubes(Purity>95%)(floating catalyst method)**

Product Model	Description	Price	
<b>TNSRP</b>	<b>High Purity SWCNTs (floating catalyst method)</b>	\$85/g	1g-50g
SWCNTs	Purity:>97wt%		
97%	OD:<2nm		
	Length:5-30 $\mu\text{m}$		
	SSA:>640 $\text{m}^2/\text{g}$		
	ASH: <3wt%		
	EC:>100s/cm		
<b>TNSRH</b>	<b>High Purity SWCNTs,-OH functionalized</b>	\$95/g	1g-50g



	<b>(floating catalyst method)</b>		
SWCNTs 95%	Purity:>95wt% OD:<2nm Length:5-30 $\mu\text{m}$ EC:>100s/cm Appearance: Black powder		
<b>TNSRC</b>	<b>High Purity SWCNTs,-COOH functionalized (floating catalyst method)</b>	\$95/g	1g-50g
SWCNTs 95%	Purity:>95wt% OD:<2nm Length:5-30 $\mu\text{m}$ EC:>100s/cm Appearance: Black powder		
<b>TNSRN</b>	<b>High Purity SWCNTs,-NH<sub>2</sub> functionalized (floating catalyst method)</b>	\$110/g	1g-50g
SWCNTs 95%	Purity:>95wt% OD:<2nm Length:5-30 $\mu\text{m}$ EC:>100s/cm Appearance: Black powder		
<b>TNSSR</b>	<b>Short high Purity SWCNTs (floating catalyst method)</b>	\$100/g	1g-50g
SWCNTs 95%	Purity:>95wt% OD:<2nm Length:1-3 $\mu\text{m}$ SSA:>670 $\text{m}^2/\text{g}$ Appearance: Black powder		
<b>TNSSRH</b>	<b>Short high Purity SWCNTs,-OH functionalized (floating catalyst method)</b>	\$130/g	1g-50g
SWCNTs 95%	Purity:>95wt% OD:<2nm Length:1-3 $\mu\text{m}$ SSA:>630 $\text{m}^2/\text{g}$ EC:>100s/cm Appearance: Black powder		
<b>TNSSRC</b>	<b>Short high Purity SWCNTs,-COOH functionalized (floating catalyst method)</b>	\$130/g	1g-50g
SWCNTs 95%	Purity:>95wt% OD:<2nm Length:1-3 $\mu\text{m}$ EC:>100s/cm Appearance: Black powder		

## 2.3 High Purity Large Surface Area Single-walled Carbon Nanotubes

(Purity>95%)

Product Model	Description	Price	
<b>TNSAR</b>	<b>High Purity Large Surface Area SWCNTs</b>	\$130/g	1g-50g
SWCNTs	Purity:>95wt%		
95%	OD:<2nm		
	Length:5-30 $\mu\text{m}$		
	SSA:>900 $\text{m}^2/\text{g}$		
	ASH: <2.5wt%		
	EC:>100s/cm		

## 2.4 Purified Single-walled Carbon Nanotubes (Purity>90%)

<b>TNS</b>	<b>Purified SWCNTs</b>	\$65/g	<50g
SWCNTs	Purity:>90wt%	\$58/g	50g-500g
90%	OD: 1-2nm	\$52/g	500g-5kg
	Length: 5-30 $\mu\text{m}$	Negotiable	5kg-50kg
	SSA:>380 $\text{m}^2/\text{g}$		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 1g		
<b>TNSH</b>	<b>Purified SWCNTs,-OH functionalized</b>	\$75/g	<50g
SWCNTs	Purity:>90wt%	\$70/g	50g-500g
-OH	-OH Content:3.96wt%	\$65/g	500g-5kg
Functionalized	OD: 1-2nm	Negotiable	5kg-50kg
90%	Length: 5-30 $\mu\text{m}$		
	SSA:>300 $\text{m}^2/\text{g}$		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 1g		
<b>TNSC</b>	<b>Purified SWCNTs,-COOH functionalized</b>	\$75/g	<50g
SWCNTs	Purity:>90wt%	\$70/g	50g-500g
-COOH	-COOH Content:2.73wt%	\$65/g	500g-5kg
Functionalized	OD: 1-2nm	Negotiable	5kg-50kg
90%	Length: 5-30 $\mu\text{m}$		
	SSA:>320 $\text{m}^2/\text{g}$		

ASH: <5wt%  
EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 1g

<b>TNSS</b>	<b>Short Purified SWCNTs</b>	\$95/g	<50g
SWCNTs	Purity:>90wt%	\$85/g	50g-500g
Length-tailored	OD: 1-2nm	\$75/g	500g-5kg
90%	Length: 1-3μm	Negotiable	5kg-50kg
	SSA:>340 m <sup>2</sup> /g		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 1g		
<b>TNSSH</b>	<b>Short Purified SWCNTs, -OH functionalized</b>	\$118/g	<50g
SWCNTs	Purity:>90wt%	\$106/g	50g-500g
Length-tailored	-OH Content:3.96wt%	\$92/g	500g-5kg
-OH	OD: 1-2nm	Negotiable	5kg-50kg
Functionalized	Length: 1-3μm		
90%	SSA:>380 m <sup>2</sup> /g		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 1g		
<b>TNSSC</b>	<b>Short Purified SWCNTs, -COOH functionalized</b>	\$118/g	<50g
SWCNTs	Purity:>90wt%	\$106/g	50g-500g
Length-tailored	-COOH Content:2.73wt%	\$92/g	500g-5kg
-COOH	OD: 1-2nm	Negotiable	5kg-50kg
Functionalized	Length: 1-3μm		
90%	SSA:>380 m <sup>2</sup> /g		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 1g		

## 2.5 Industrial Single-walled Carbon Nanotubes (Purity>60%)

<b>TNIS</b>	<b>Industrial SWCNTs</b>	\$25/g	<50g
SWCNTs	Purity:>60wt%	\$20/g	50g-500g

60%	OD: 1-2nm Length: 5-30μm SSA:>407 m <sup>2</sup> /g ASH: <5wt% EC:>100s/cm Making method:CVD Color: Black Min Order: 1g	Negotiable 500g-5kg
<b>TNISH</b>	<b>Industrial SWCNTs, -OH functionalized</b>	\$30/g <50g
SWCNTs	Purity:>60wt%	\$25/g 50g-500g
-OH	-OH Content: 3.96wt%	Negotiable 500g-5kg
Functionalized	OD: 1-2nm	
60%	Length: 5-30μm SSA:>407 m <sup>2</sup> /g ASH: <5wt% EC:>100s/cm Making method:CVD Color: Black Min Order: 1g	
<b>TNISC</b>	<b>Industrial SWCNTs, -COOH functionalized</b>	\$30/g <50g
SWCNTs	Purity:>60wt%	\$25/g 50g-500g
-COOH	-COOH Content: 2.73wt%	Negotiable 500g-5kg
Functionalized	OD: 1-2nm	
60%	Length: 5-30μm SSA:>407 m <sup>2</sup> /g ASH: <5wt% EC:>100s/cm Making method:CVD Color: Black Min Order: 1g	

## 2.6 HiPCO,Arc Preparation Single-walled CNTs Dispersion

<b>TNWMHS</b>	<b>Mixed Single-walled CNTs dispersion</b>	\$530/50ml
	CNTs Preparation Technology:HiPCO	
	Purity of SWCNTs:>98wt%	
	Diameter: 0.7-1.1nm	
	Solvent: water	
	Dispersant: surfactant	
<b>TNWMAS</b>	<b>Mixed Single-walled CNTs dispersion</b>	\$500/50ml
	CNTs Preparation Technology:Arc	
	Purity of SWCNTs:>95wt%	
	Diameter: 1.2-1.6nm	

Solvent: water  
Dispersant: surfactant

<b>TNWCHS</b>	<b>Semiconducting Single-walled CNTs dispersion</b> CNTs Preparation Technology:HiPCO Purity of semiconductor SWCNTs:>99wt% Diameter: 0.7-1.1nm Solvent: water Dispersant: surfactant	\$860/10ml
<b>TNMCHS</b>	<b>Semiconducting Single-walled CNTs dispersion</b> CNTs Preparation Technology:HiPCO Purity of semiconductor SWCNTs:>99.9wt% Diameter: 0.7-1.1nm Solvent: Dimethylbenzene Dispersant: conjugated polymer	\$1335/20ml
<b>TNMCAS</b>	<b>Semiconducting Single-walled CNTs dispersion</b> CNTs Preparation Technology:Arc Purity of semiconductor SWCNTs:>99.9wt% Diameter: 1.2-1.6nm Solvent: Dimethylbenzene Dispersant: conjugated polymer	\$1000/20ml
<b>TNWMS</b>	<b>Metallic Single-walled CNTs dispersion</b> CNTs Preparation Technology:Hipco Purity of metallic SWCNTs:>90wt% Diameter: 0.8-1.2nm Solvent: water Dispersant: surfactant	\$1000/10ml

### 3 DWCNTs Products

Product Model	Description	Price	
<b>TND</b>	<b>DWCNTs</b>	\$42/g	<50g
DWCNTs	Purity:>60wt%	\$35/g	50g-500g
60%	OD: 2-4nm	\$30/g	500g-5kg
	Length: ~50μm	\$25/g	5kg-50kg
	SSA: >200m <sup>2</sup> /g		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		

	Min Order: 1g		
<b>TNDH</b>	<b>DWCNTs, -OH functionalized</b>	\$48/g	<50g
DWCNTs	Purity:>60wt%	\$42/g	50g-500g
-OH	-OH Content: 2.92wt%	\$37/g	500g-5kg
Functionalized	OD: 2-4nm	\$32/g	5kg-50kg
60%	Length: ~50μm		
	SSA: >200m <sup>2</sup> /g		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 1g		
<b>TNDC</b>	<b>DWCNTs, -COOH functionalized</b>	\$48/g	<50g
DWCNTs	Purity:>60wt%	\$42/g	50g-500g
-COOH	-OH Content: 2.58wt%	\$37/g	500g-5kg
Functionalized	OD: 2-4nm	\$32/g	5kg-50kg
60%	Length: ~50μm		
	SSA: >200m <sup>2</sup> /g		
	ASH: <5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 1g		

## 4 MWCNTs Products

### 4.1 Purified Multi-walled carbon nanotubes (purity:>98%)

Product Model	Description	Price	
<b>TNM0</b>	<b>Purified MWCNTs</b>	\$5/g	<50g
MWCNTs	Purity:>98wt%	\$3.5/g	50g-500g
98%, 4-8nm	OD: 4-8nm		
	Length: 10-20μm		
	SSA: 350-550m <sup>2</sup> /g		
	ASH: <2wt%		
	EC:>100s/cm		
	Making method:CVD		
	Min Order: 10g		
<b>TNMP1</b>	<b>Purified MWCNTs</b>	\$5/g	<50g
MWCNTs	Purity:>99wt%	\$3.5/g	50g-500g

99%  
 OD: 5-15nm  
 Length: 10-30μm  
 SSA: 220-300m<sup>2</sup>/g  
 ASH: <1wt%  
 EC:>100s/cm  
 Making method:CVD  
 Color: Black  
 Min Order: 10g

<b>TNM1</b>	<b>Purified MWCNTs</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
98%	OD: 5-15nm	\$1.5/g	500g-5kg

Length: 10-30μm  
 SSA: 220-300m<sup>2</sup>/g  
 ASH: <1.5wt%  
 EC:>100s/cm  
 Making method:CVD  
 Color: Black  
 Min Order: 10g

<b>TNM2</b>	<b>Purified MWCNTs</b>	\$3.8/g	<50g
MWCNTs	Purity:>95wt%	\$3.0/g	50g-500g
95%, 8-15nm	OD: 8-15nm	\$1.5/g	500g-5kg

Length: ~50μm  
 SSA: >140m<sup>2</sup>/g  
 ASH: <1.5wt%  
 EC:>100s/cm  
 Making method:CVD  
 Color: Black  
 Min Order: 10g

<b>TNEM3</b>	<b>High-Electrical Conductivity MWCNTs</b>	\$5/g	<50g
MWCNTs	Purity:>90wt%	\$3.5/g	50g-500g
90%, 10-20nm	OD: 10-20nm		

Length: <30μm  
 SSA: 230-280m<sup>2</sup>/g  
 Color: Black  
 Min Order: 10g

<b>TNM3</b>	<b>Purified MWCNTs</b>	\$2.5/g	<50g
MWCNTs	Purity:>98wt%	\$1.8/g	50g-500g
98%, 10-20nm	OD: 10-20nm	\$1.0/g	500g-5kg

Length: 10-30μm  
 SSA: >100m<sup>2</sup>/g  
 ASH: <1.5wt%  
 EC:>100s/cm  
 Making method:CVD  
 Color: Black



Min Order: 10g			
<b>TNM5</b>	<b>Purified MWCNTs</b>	\$2.5/g	<50g
MWCNTs	Purity:>98wt%	\$1.8/g	50g-500g
98%, 20-30nm	OD:20-30nm	\$1.0/g	500g-5kg
	Length: 10-30μm		
	SSA: >110m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
Min Order: 10g			
<b>TNM7</b>	<b>Purified MWCNTs</b>	\$2.5/g	<50g
MWCNTs	Purity:>98wt%	\$1.8/g	50g-500g
98%, 30-50nm	OD: 30-50nm	\$1.0/g	500g-5kg
	Length: <10μm		
	SSA: >80m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
Min Order: 10g			
<b>TNM8</b>	<b>Purified MWCNTs</b>	\$2.5/g	<50g
MWCNTs	Purity:>98wt%	\$1.8/g	50g-500g
98%, 30-80nm	OD: 30-80nm	\$1.0/g	500g-5kg
	Length: <10μm		
	SSA: >60m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
Min Order: 10g			
<b>TNMH0</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$7/g	<50g
MWCNTs	Purity:>98wt%	\$5/g	50g-500g
98%	OD: 4-8nm		
	Length: 10-20μm		
	SSA: 350-550m <sup>2</sup> /g		
	ASH: <2wt%		
	EC:>100s/cm		
	Making method:CVD		
Min Order: 10g			
<b>TNMPH1</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$7/g	<50g
MWCNTs	Purity:>99wt%	\$5/g	50g-500g
-OH	OD: 5-15nm		
Functionalized	Length: 10-30μm		

99%  
SSA: 220-300m<sup>2</sup>/g  
ASH: <1wt%  
EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 10g

<b>TNMH1</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$5.2/g	<50g
MWCNTs	Purity:>98wt%	\$4.5/g	50g-500g
-OH	-OH Content:5.58wt%	\$3.5/g	500g-5kg
Functionalized	OD: 5-15nm	\$2.2/g	5kg-50kg

98%  
Length: 10-30μm  
SSA: 220-300m<sup>2</sup>/g  
ASH: <1.5wt%  
EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 10g

<b>TNMH2</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$5.2/g	<50g
MWCNTs	Purity:>95wt%	\$4.5/g	50g-500g
-OH	-OH Content:3.70wt%	\$3.5/g	500g-5kg
Functionalized	OD: 8-15nm	\$2.2/g	5kg-50kg

95%, 8-15nm  
Length: ~50μm  
SSA: >130m<sup>2</sup>/g  
ASH: <1.5wt%  
EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 10g

<b>TNEMH3</b>	<b>High-Electrical Conductivity MWCNTs</b>	\$7/g	<50g
-OH MWCNTs	Purity:>90wt%	\$5/g	50g-500g
90%, 10-20nm	OD: 10-20nm		

Length: <30μm  
SSA: 230-280m<sup>2</sup>/g  
Color: Black  
Min Order: 10g

<b>TNMH3</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-OH	-OH Content:3.06wt%	\$1.8/g	500g-5kg
Functionalized	OD: 10-20nm	\$1.5/g	5kg-50kg

98%, 10-20nm  
Length: 10-30μm  
SSA: >100m<sup>2</sup>/g  
ASH: <1.5wt%  
EC:>100s/cm  
Making method:CVD

Color: Black  
Min Order: 10g

<b>TNMH5</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-OH	-OH Content:1.76wt%	\$1.8/g	500g-5kg
Functionalized	OD:20-30nm	\$1.5/g	5kg-50kg
98%, 20-30nm	Length: 10-30μm		
	SSA: >110m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNMH7</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-OH	-OH Content:1.06wt%	\$1.8/g	500g-5kg
Functionalized	OD: 30-50nm	\$1.5/g	5kg-50kg
98%, 30-50nm	Length: <10μm		
	SSA: >100m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNMH8</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-OH	-OH Content:0.71wt%	\$1.8/g	500g-5kg
Functionalized	OD: 30-80nm	\$1.5/g	5kg-50kg
98%, 30-80nm	Length: <10μm		
	SSA: >60m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNMC0</b>	<b>Purified MWCNTs, -COOH functionalized</b>	\$7/g	<50g
MWCNTs	Purity:>98wt%	\$5/g	50g-500g
98%	OD: 4-8nm		
	Length: 10-20μm		
	SSA: 350-550m <sup>2</sup> /g		
	ASH: <2wt%		
	EC:>100s/cm		
	Making method:CVD		
	Min Order: 10g		

<b>TNMPC1</b>	<b>Purified MWCNTs, -OH functionalized</b>	\$7/g	<50g
MWCNTs	Purity:>99wt%	\$5/g	50g-500g
-COOH	OD: 5-15nm		
Functionalized	Length: 10-30μm		
99%	SSA: 220-300m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNMC1</b>	<b>Purified MWCNTs, -COOH functionalized</b>	\$5.2/g	<50g
MWCNTs	Purity:>98wt%	\$4.5/g	50g-500g
-COOH	-COOH Content: 3.86wt%	\$3.5/g	500g-5kg
Functionalized	OD: 5-15nm	\$2.2/g	5kg-50kg
98%	Length: 10-30μm		
	SSA: 220-300m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNMC2</b>	<b>Purified MWCNTs, -COOH functionalized</b>	\$5.2/g	<50g
MWCNTs	Purity:>95wt%	\$4.5/g	50g-500g
-COOH	-COOH Content: 2.56wt%	\$3.5/g	500g-5kg
Functionalized	OD: 8-15nm	\$2.2/g	5kg-50kg
95%, 8-15nm	Length: ~50μm		
	SSA: >130m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
<b>TNEMC3</b>	<b>High-Electrical Conductivity MWCNTs</b>	\$7/g	<50g
-COOH	Purity:>90wt%	\$5/g	50g-500g
MWCNTs	OD: 10-20nm		
90%, 10-20nm	Length: <30μm		
	SSA: 230-280m <sup>2</sup> /g		
	Color: Black		
	Min Order: 10g		
<b>TNMC3</b>	<b>Purified MWCNTs, -COOH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-COOH	-COOH Content: 2.00wt%	\$1.8/g	500g-5kg
Functionalized	OD: 10-20nm	\$1.5/g	5kg-50kg
98%, 10-20nm	Length: 10-30μm		

SSA: >90m<sup>2</sup>/g  
 ASH: <1.5wt%  
 EC:>100s/cm  
 Making method:CVD  
 Color: Black  
 Min Order: 10g

<b>TNMC5</b>	<b>Purified MWCNTs, -COOH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-COOH	-COOH Content:1.23wt%	\$1.8/g	500g-5kg
Functionalized	OD:20-30nm	\$1.5/g	5kg-50kg
98%, 20-30nm	Length: 10-30μm		
	SSA: >110m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNMC7</b>	<b>Purified MWCNTs, -COOH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-COOH	-COOH Content: 0.73wt%	\$1.8/g	500g-5kg
Functionalized	OD: 30-50nm	\$1.5/g	5kg-50kg
98%, 30-50nm	Length: <10μm		
	SSA: >90m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNMC8</b>	<b>Purified MWCNTs, -COOH functionalized</b>	\$3.8/g	<50g
MWCNTs	Purity:>98wt%	\$3.0/g	50g-500g
-COOH	-COOH Content: 0.49wt%	\$1.8/g	500g-5kg
Functionalized	OD: 30-80nm	\$1.5/g	5kg-50kg
98%	Length: <10μm		
	SSA: >60m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		

#### 4.2 Short Purified Multi-walled carbon nanotubes (purity:>98%)

Product Model	Description	Price	
<b>TNSM0</b>	<b>Short Purified MWCNTs</b>	\$10/g	<50g

MWCNTs 98%	Purity:>98wt% OD: 4-8nm Length: 0.5-2μm SSA: 380-550m <sup>2</sup> /g ASH: <2wt% EC:>100s/cm Making method:CVD Min Order: 5g	\$8.5/g	50g-500g
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<b>TNSM1</b>	<b>Short Purified MWCNTs</b>	\$8.0/g	<50g
MWCNTs	Purity:>98wt%	\$7.5/g	50g-500g
<b>Length-tailored</b>	OD: 5-15nm	\$6.2/g	500g-5kg
98%	Length: 0.5-2μm	\$4.8/g	5kg-50kg
	SSA: >270m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		

<b>TNSM2</b>	<b>Short Purified MWCNTs</b>	\$8.0/g	<50g
MWCNTs	Purity:>95wt%	\$7.5/g	50g-500g
<b>Length-tailored</b>	OD: 8-15nm	\$6.2/g	500g-5kg
95%, 8-15nm	Length: 0.5-2μm	\$4.8/g	5kg-50kg
	SSA: >160m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		

<b>TNSM3</b>	<b>Short Purified MWCNTs</b>	\$6.0/g	<50g
MWCNTs	Purity:>98wt%	\$4.5/g	50g-500g
<b>Length-tailored</b>	OD: 10-20nm	\$3.8/g	500g-5kg
98%, 10-20nm	Length: 0.5-2μm	\$2.5/g	5kg-50kg
	SSA: >100m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		

<b>TNSM5</b>	<b>Short Purified MWCNTs</b>	\$6.0/g	<50g
MWCNTs	Purity:>98wt%	\$4.5/g	50g-500g
<b>Length-tailored</b>	OD:20-30nm	\$3.8/g	500g-5kg
98%, 20-30nm	Length: 0.5-2μm	\$2.5/g	5kg-50kg
	SSA: >120m <sup>2</sup> /g		
	ASH: <1.5wt%		

EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 5g

<b>TNSM7</b>	<b>Short Purified MWCNTs</b>	\$6.0/g	<50g
MWCNTs	Purity:>98wt%	\$4.5/g	50g-500g
<b>Length-tailored</b>	OD: 30-50nm	\$3.8/g	500g-5kg
98%, 30-50nm	Length: 0.5-2μm	\$2.5/g	5kg-50kg

SSA: >80m<sup>2</sup>/g  
ASH: <1.5wt%  
EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 5g

<b>TNSM8</b>	<b>Short Purified MWCNTs</b>	\$6.0/g	<50g
MWCNTs	Purity:>98wt%	\$4.5/g	50g-500g
<b>Length-tailored</b>	OD: 30-80nm	\$3.8/g	500g-5kg
98%	Length: 0.5-2μm	\$2.5/g	5kg-50kg

SSA: >70m<sup>2</sup>/g  
ASH: <1.5wt%  
EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 5g

<b>TNSMH0</b>	<b>Short Purified MWCNTs, -OH functionalized</b>	\$12/g	<50g
MWCNTs	Purity:>98wt%	\$10/g	50g-500g
98%	OD: 4-8nm		

Length: 0.5-2μm  
SSA: 380-550m<sup>2</sup>/g  
ASH: <2wt%  
EC:>100s/cm  
Making method:CVD  
Min Order: 5g

<b>TNSMH1</b>	<b>Short Purified MWCNTs, -OH functionalized</b>	\$10.0/g	<50g
MWCNTs	Purity:>98wt%	\$9.0/g	50g-500g
<b>Length-tailored</b>	-OH Content:5.58wt%	\$7.8/g	500g-5kg
<b>-OH</b>	OD: 5-15nm	\$6.0/g	5kg-50kg

Length: 0.5-2μm  
SSA: >270m<sup>2</sup>/g  
ASH: <1.5wt%  
EC:>100s/cm  
Making method:CVD  
Color: Black  
Min Order: 5g



<b>TNSMH2</b>	<b>Short Purified MWCNTs, -OH functionalized</b>	\$10.0/g	<50g
MWCNTs	Purity:>95wt%	\$9.0/g	50g-500g
Length-tailored	-OH Content:3.70wt%	\$7.8/g	500g-5kg
-OH	OD: 8-15nm	\$6.0/g	5kg-50kg
Functionalized	Length: 0.5-2μm		
95%, 8-15nm	SSA: >160m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMH3</b>	<b>Short Purified MWCNTs, -OH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g
Length-tailored	-OH Content:3.06wt%	\$4.6/g	500g-5kg
-OH	OD: 10-20nm	\$3.2/g	5kg-50kg
Functionalized	Length: 0.5-2μm		
98%, 10-20nm	SSA: >100m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMH5</b>	<b>Short Purified MWCNTs, -OH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g
Length-tailored	-OH Content:1.76wt%	\$4.6/g	500g-5kg
-OH	OD:20-30nm	\$3.2/g	5kg-50kg
Functionalized	Length: 0.5-2μm		
98%, 20-30nm	SSA: >160m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMH7</b>	<b>Short Purified MWCNTs, -OH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g
Length-tailored	-OH Content:1.06wt%	\$4.6/g	500g-5kg
-OH	OD: 30-50nm	\$3.2/g	5kg-50kg
Functionalized	Length:0.5-2μm		
98%, 30-50nm	SSA: >80m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		

<b>TNSMH8</b>	<b>Short Purified MWCNTs, -OH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g
Length-tailored	-OH Content:0.71wt%	\$4.6/g	500g-5kg
-OH	OD: 30-80nm	\$3.2/g	5kg-50kg
Functionalized	Length: 0.5-2μm		
98%, 30-80nm	SSA: >70m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMC0</b>	<b>Short Purified MWCNTs, -COOH functionalized</b>	\$12/g	<50g
MWCNTs	Purity:>98wt%	\$10/g	50g-500g
98%	OD: 4-8nm		
	Length: 0.5-2μm		
	SSA: 380-550m <sup>2</sup> /g		
	ASH: <2wt%		
	EC:>100s/cm		
	Making method:CVD		
	Min Order:5g		
<b>TNSMC1</b>	<b>Short Purified MWCNTs, -COOH functionalized</b>	\$10.0/g	<50g
MWCNTs	Purity:>98wt%	\$9.0/g	50g-500g
Length-tailored	-COOH Content: 3.86wt%	\$7.8/g	500g-5kg
-COOH	OD: 5-15nm	\$6.0/g	5kg-50kg
Functionalized	Length: 0.5-2μm		
98%	SSA: >270m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMC2</b>	<b>Short Purified MWCNTs, -COOH functionalized</b>	\$10.0/g	<50g
MWCNTs	Purity:>95wt%	\$9.0/g	50g-500g
Length-tailored	-COOH Content: 2.56wt%	\$7.8/g	500g-5kg
-COOH	OD: 8-15nm	\$6.0/g	5kg-50kg
Functionalized	Length: 0.5-2μm		
95%, 8-15nm	SSA: >160m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMC3</b>	<b>Short Purified MWCNTs, -COOH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g

Length-tailored	-COOH Content: 2.00wt%	\$4.6/g	500g-5kg
-COOH	OD: 10-20nm	\$3.2/g	5kg-50kg
Functionalized	Length: 0.5-2 $\mu$ m		
98%, 10-20nm	SSA: >100m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMC5</b>	<b>Short Purified MWCNTs, -COOH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g
Length-tailored	-COOH Content: 1.23wt%	\$4.6/g	500g-5kg
-COOH	OD:20-30nm	\$3.2/g	5kg-50kg
Functionalized	Length: 0.5-2 $\mu$ m		
98%, 20-30nm	SSA: >150m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMC7</b>	<b>Short Purified MWCNTs, -COOH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g
Length-tailored	-COOH Content: 0.73wt%	\$4.6/g	500g-5kg
-COOH	OD: 30-50nm	\$3.2/g	5kg-50kg
Functionalized	Length:0.5-2 $\mu$ m		
98%, 30-50nm	SSA: >80m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		
<b>TNSMC8</b>	<b>Short Purified MWCNTs, -COOH functionalized</b>	\$7.5/g	<50g
MWCNTs	Purity:>98wt%	\$5.8/g	50g-500g
Length-tailored	-COOH Content: 0.49wt%	\$4.6/g	500g-5kg
-COOH	OD: 30-80nm	\$3.2/g	5kg-50kg
Functionalized	Length: 0.5-2 $\mu$ m		
98%	SSA: >70m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 5g		

### 4.3 Graphitized Multi-walled carbon nanotubes (purity:>99%)

Product Model	Description	Price	
<b>TNGM2</b>	<b>Graphitized MWCNTs</b>	\$5.2/g	<50g
MWCNTs	Purity:>99wt%	\$4.2/g	50g-500g
Graphitized	OD: 8-15nm	\$3.7/g	500g-5kg
99%, 8-15nm	Length: 10-50μm	\$3.0/g	5kg-50kg
	SSA: >90m <sup>2</sup> /g		
	ASH: <1wt%		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGM3</b>	<b>Graphitized MWCNTs</b>	\$5.2/g	<50g
MWCNTs	Purity:>99wt%	\$3.6/g	50g-500g
Graphitized	OD: 10-20nm	\$3.0/g	500g-5kg
99%, 10-20nm	Length: 5-30μm		
	SSA: 80-100m <sup>2</sup> /g		
	ASH: <1wt%		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGM5</b>	<b>Graphitized MWCNTs</b>	\$5.2/g	<50g
MWCNTs	Purity:>99wt%	\$3.6/g	50g-500g
Graphitized	OD:20-30nm	\$3.0/g	500g-5kg
99%, 20-30nm	Length: 5-30μm		
	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGM7</b>	<b>Graphitized MWCNTs</b>	\$5.2/g	<50g
MWCNTs	Purity:>99wt%	\$3.6/g	50g-500g
Graphitized	OD: 30-50nm	\$3.0/g	500g-5kg
99%, 30-50nm	Length: <10μm		
	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		

<b>TNGM8</b>	<b>Graphitized MWCNTs</b>	\$5.2/g	<50g
MWCNTs	Purity:>99wt%	\$3.6/g	50g-500g
Graphitized	OD: 30-80nm	\$3.0/g	500g-5kg
99%	Length: <10μm		
	SSA: >60m <sup>2</sup> /g		
	ASH: <1wt%		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMH2</b>	<b>Graphitized MWCNTs, -OH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$5.5/g	50g-500g
Graphitized	-OH Content:1.85wt%	\$4.8/g	500g-5kg
-OH	OD: 8-15nm	\$3.9/g	5kg-50kg
Functionalized	Length: 10-50μm		
99%, 8-15nm	SSA: >117m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMH3</b>	<b>Graphitized MWCNTs, -OH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-OH Content: 1.53wt%	\$3.9/g	500g-5kg
-OH	OD: 10-20nm	\$3.2/g	5kg-50kg
Functionalized	Length: 5-30μm		
99%, 10-20nm	SSA: 80-100m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMH5</b>	<b>Graphitized MWCNTs, -OH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-OH Content: 0.88wt%	\$3.9/g	500g-5kg
-OH	OD:20-30nm	\$3.2/g	5kg-50kg
Functionalized	Length: 5-30μm		
99%, 20-30nm	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		

Color: Black  
Min Order: 10g

<b>TNGMH7</b>	<b>Graphitized MWCNTs, -OH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-OH Content: 0.53wt%	\$3.9/g	500g-5kg
-OH	OD: 30-50nm	\$3.2/g	5kg-50kg
Functionalized	Length: <10μm		
99%, 30-50nm	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMH8</b>	<b>Graphitized MWCNTs, -OH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-OH Content: 0.36wt%	\$3.9/g	500g-5kg
-OH	OD: 30-80nm	\$3.2/g	5kg-50kg
Functionalized	Length: <10μm		
99%	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMC2</b>	<b>Graphitized MWCNTs, -COOH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$5.5/g	50g-500g
Graphitized	-COOH Content: 1.28wt%	\$4.8/g	500g-5kg
-COOH	OD: 8-15nm	\$3.9/g	5kg-50kg
Functionalized	Length:10-50μm		
99%, 8-15nm	SSA: >117m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMC3</b>	<b>Graphitized MWCNTs, -COOH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-COOH Content: 1.00wt%	\$3.9/g	500g-5kg
-COOH	OD: 10-20nm	\$3.2/g	5kg-50kg
Functionalized	Length: 5-30μm		
99%, 10-20nm	SSA: 80-100m <sup>2</sup> /g		

ASH: <1wt%  
 EC:100s/cm  
 Making method:CVD  
 Heat treatment temperature:2800℃  
 Color: Black  
 Min Order: 10g

<b>TNGMC5</b>	<b>Graphitized MWCNTs, -COOH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-COOH Content: 0.61wt%	\$3.9/g	500g-5kg
-COOH	OD:20-30nm	\$3.2/g	5kg-50kg
Functionalized	Length: 5-30μm		
99%, 20-30nm	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMC7</b>	<b>Graphitized MWCNTs, -COOH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-COOH Content: 0.36wt%	\$3.9/g	500g-5kg
-COOH	OD: 30-50nm	\$3.2/g	5kg-50kg
Functionalized	Length: <10μm		
99%, 30-50nm	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		
<b>TNGMC8</b>	<b>Graphitized MWCNTs, -COOH functionalized</b>	\$6.8/g	<50g
MWCNTs	Purity:>99wt%	\$4.7/g	50g-500g
Graphitized	-COOH Content: 0.25wt%	\$3.9/g	500g-5kg
-COOH	OD: 30-80nm	\$3.2/g	5kg-50kg
Functionalized	Length: <10μm		
99%	SSA: >50m <sup>2</sup> /g		
	ASH: <1wt%		
	EC:100s/cm		
	Making method:CVD		
	Heat treatment temperature:2800℃		
	Color: Black		
	Min Order: 10g		

#### 4.4 Ni Coated Multi-walled carbon nanotubes

Product Model	Description	Price	
<b>TNNiM2</b>	<b>Ni Coated MWCNTs</b>	\$6.7/g	<50g
MWCNTs	OD: 8-15nm	\$5.3/g	50g-500g
Ni Coated 8-15nm	Length: ~50μm CNTs Content : >38wt% Ni Content: >60wt% Making method:CVD Color: Black Min Order: 10g	\$3.8/g	500g-5kg
<b>TNNiM3</b>	<b>Ni Coated MWCNTs</b>	\$5.0/g	<50g
MWCNTs	OD: 10-20nm	\$4.2/g	50g-500g
Ni Coated 10-20nm	Length: 10-30μm CNTs Content : >38wt% Ni Content: >60wt% Making method:CVD Color: Black Min Order: 10g	\$3.5/g	500g-5kg
<b>TNNiM5</b>	<b>Ni Coated MWCNTs</b>	\$5.0/g	<50g
MWCNTs	OD:20-30nm	\$4.2/g	50g-500g
Ni Coated 20-30nm	Length: 10-30μm CNTs Content : >38wt% Ni Content: >60wt% Making method:CVD Color: Black Min Order: 10g	\$3.5/g	500g-5kg
<b>TNNiM7</b>	<b>Ni Coated MWCNTs</b>	\$5.0/g	<50g
MWCNTs	OD: 30-50nm	\$4.2/g	50g-500g
Ni Coated 30-50nm	Length: <10μm CNTs Content : >38wt% Ni Content: >60wt% Making method:CVD Color: Black Min Order: 10g	\$3.5/g	500g-5kg
<b>TNNiM8</b>	<b>Ni Coated MWCNTs</b>	\$5.0/g	<50g
MWCNTs	OD: 30-80nm	\$4.2/g	50g-500g
Ni Coated 30-80nm	Length: <10μm CNTs Content : >38wt% Ni Content: >60wt% Making method:CVD Color: Black Min Order: 10g	\$3.5/g	500g-5kg



#### 4.5 Other Special Multi-walled carbon nanotubes

Product Model	Description	Price	
<b>TNLIM</b>	<b>Large-inner Thin-walled MWCNTs</b>	\$6.5/g	<50g
MWCNTs	Purity:>60wt%	\$4.8/g	50g-500g
Large-inner	OD: 30-60nm		
Thin-wall	Length: 1-10 $\mu$ m		
70%,30-60nm	SSA: >100m <sup>2</sup> /g		
	ASH: <2.0wt%		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNFIM</b>	<b>Flash-ignited MWCNTs</b>	\$8.2/g	<50g
MWCNTs	OD:2-50nm	\$7.0/g	50g-500g
Flash-ignited	Length:~50 $\mu$ m	Negotiable 500g-5kg	
2-50nm	Fe content: <25%		
	CNT content:>50%		
	SSA: >300m <sup>2</sup> /g		
	EC:>100s/cm		
	Making method:CVD		
	Min Order: 10g		
<b>TNAIM</b>	<b>Aligned MWCNTs</b>	\$6.5g	<50g
MWCNTs	Purity:>98wt%	\$4.8/g	50g-500g
Aligned	OD:10-20nm	Negotiable 500g-5kg	
10-20nm	Length: 30-100 $\mu$ m		
	SSA: >150m <sup>2</sup> /g		
	ASH: <2.0wt%		
	Ignited Temperature: 661 $^{\circ}$ C		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNHIM</b>	<b>Helical MWCNTs</b>	\$6.5/g	<50g
MWCNTs	OD: 100-200nm	\$4.8/g	50g-500g
Helical	Length: 1-10 $\mu$ m	Negotiable 500g-5kg	
100-200nm	CNTs Content : >90wt%		
	Helical CNTs Content: >60wt%		
	SSA: >30m <sup>2</sup> /g		
	ASH: <5.0wt%		
	Ignited Temperature: 560-600 $^{\circ}$ C		

	Making method:CVD		
	Min Order: 10g		
<b>TNMN2</b>	<b>MWCNTs, -NH<sub>2</sub> functionalized</b>	\$6.5/g	<50g
MWCNTs	Purity:>95wt%	\$4.8/g	50g-500g
-NH <sub>2</sub>	-NH <sub>2</sub> Content: 0.45wt%		Negotiable 500g-5kg
Functionalized	OD: 8-15nm		
95%, 8-15nm	Length: ~50μm		
	SSA: >233m <sup>2</sup> /g		
	ASH: <1.5wt%		
	EC: >100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		
<b>TNWCF</b>	<b>Carbon Nano Fibers</b>	\$2.5/g	<50g
	Purity:>95wt%	\$1.8/g	50g-500g
	OD: 50-200nm	\$0.7/g	500g-5kg
	Length: 1-15μm		
	EC:>100s/cm		
	Making method:CVD		
	Appearance: Black Powder		
	Min Order: 10g		
<b>TNWCFH</b>	<b>-OH Carbon Nano Fibers</b>	\$4.2/g	<50g
	Purity:>95wt%	\$2.5/g	50g-500g
	OD: 50-200nm	\$1.3-1.7/g	500g-5kg
	Length: 1-15μm		
	EC:>100s/cm		
	Making method:CVD		
	Appearance: Black Powder		
	Min Order: 10g		
<b>TNWCFC</b>	<b>-COOH Carbon Nano Fibers</b>	\$4.2/g	<50g
	Purity:>95wt%	\$2.5/g	50g-500g
	OD: 50-200nm	\$1.3-1.7/g	500g-5kg
	Length: 1-15μm		
	EC:>100s/cm		
	Making method:CVD		
	Appearance: Black Powder		
	Min Order: 10g		
<b>TNWC FN</b>	<b>-NH<sub>2</sub> Carbon Nano Fibers</b>	\$6.5/g	<50g
	Purity:>95wt%	\$4.8/g	50g-500g
	OD: 50-200nm	\$3.3-4.3/g	500g-5kg
	Length: 1-15μm		
	EC:>100s/cm		
	Making method:CVD		
	Appearance: Black Powder		

	Min Order: 10g		
<b>TNGCF</b>	<b>Carbon Nano Fibers</b>	\$3.3/g	<50g
	Purity:>99.9wt%	\$2.3/g	50g-500g
	OD: 50-200nm	\$1/g	500g-5kg
	Length: 1-15μm		
	EC:>100s/cm		
	Making method:CVD		
	Appearance: Black Powder		
	Min Order: 10g		
<b>TNMCN7</b>	<b>N-doped MWCNTs</b>	\$6.5/g	<50g
N-doped	Purity:>98wt%	\$4.8/g	50g-500g
MWCNTs	N Content: >2.5 wt%		
98%,30-80nm	OD: 30-80 nm		
	Length: 10-30μm		
	SSA: >30m <sup>2</sup> /g		
	Ignited temperature: 460°C		
	EC:>100s/cm		
	Making method:CVD		
	Color: Black		
	Min Order: 10g		

## 5 Industrial MWCNTs Products

Product Model	Description	Price	
<b>TNIM190F</b>	<b>Industrial MWCNTs</b>	\$166/kg	1-10kg
MWCNTs	Purity:>95wt%	\$100/kg	10-100kg
Industrial	OD: 4-8nm	Negociable >100kg	
95%,4-8nm	Length: 10-20μm		
	SSA: 350-550m <sup>2</sup> /g		
	Making method:CVD		
	Color: Black		
	Min Order: 1kg		
<b>TNIM190FC</b>	<b>Industrial –COOH Functionalized MWCNTs</b>	\$250/kg	1-10kg
MWCNTs	Purity:>95wt%	\$166/kg	10-100kg
Industrial	OD: 4-8nm	Negociable >100kg	
95%,4-8nm	Length: 10-20μm		
	Making method:CVD		
	Color: Black		
	Min Order: 1kg		
<b>TNIM1</b>	<b>Industrial MWCNTs</b>	\$100/kg	1-10kg
MWCNTs	Purity:>95wt%	\$60/kg	10-100kg
Industrial	OD: 5-15nm	Negociable >100kg	

95%,5-15nm  
Length: 10-30μm  
SSA: 220-300m<sup>2</sup>/g  
ASH: <3.0wt%  
Making method:CVD  
Color: Black  
Min Order: 1kg

<b>TNIMH1</b>	<b>Industrial –OH Functionalized MWCNTs</b>	\$170/kg 1-10kg
MWCNTs	Purity:>95wt%	\$100/kg 10-100kg
<b>Industrial</b>	OD: 5-15nm	Negotiable >100kg

95%,5-15nm  
Length: 10-30μm  
ASH: <3.0wt%  
Making method:CVD  
Color: Black  
Min Order: 1kg

<b>TNIMC1</b>	<b>Industrial –COOH Functionalized MWCNTs</b>	\$200/kg 1-10kg
MWCNTs	Purity:>95wt%	\$133/kg 10-100kg
<b>Industrial</b>	OD: 5-15nm	Negotiable >100kg

95%,5-15nm  
Length: 10-30μm  
ASH: <3.0wt%  
Making method:CVD  
Color: Black  
Min Order: 1kg

<b>TNIM2</b>	<b>Industrial MWCNTs</b>	\$135/kg 1-10kg
MWCNTs	Purity:>95wt%	\$85/kg 10-100kg
<b>Industrial</b>	OD: 8-15nm	Negotiable >100kg

95%, 8-15nm  
Length: 30-50μm  
SSA: >230m<sup>2</sup>/g  
ASH: <3.0wt%  
Making method:CVD  
Color: Black  
Min Order: 1kg

<b>TNIMC2</b>	<b>Industrial –COOH Functionalized MWCNTs</b>	\$200/kg 1-10kg
MWCNTs	Purity:>95wt%	\$133/kg 10-100kg
<b>Industrial</b>	OD: 8-15nm	Negotiable >100kg

95%, 8-15nm  
Length: 30-50μm  
ASH: <3.0wt%  
Making method:CVD  
Min Order: 1kg

<b>TNIM298F</b>	<b>Industrial MWCNTs</b>	\$100/kg 1-10kg
MWCNTs	Purity:>95wt%	\$66/kg 10-100kg
<b>Industrial</b>	OD: 8-15nm	Negotiable >100kg

95%, 8-15nm  
Length: 30-50μm  
ASH: <2.0wt%  
Making method:CVD

Min Order: 1kg

<b>TNVM3</b>	<b>Industrial Vertically Aligned MWCNTs</b>	\$1.7/g	100-500g
MWCNTs	Purity:>85wt%	\$1/g	500-1000g
<b>Industrial</b>	OD:10-20nm	\$0.7/g	>1kg
85%,10-20nm	Length: 10-20μm		
	SSA: 180-220m <sup>2</sup> /g		
	Making method:CVD		
	Color: Black		
	Min Order:100g		
<b>TNIM3</b>	<b>Industrial MWCNTs</b>	\$100/kg	1-10kg
MWCNTs	Purity:>95wt%	\$66/kg	10-100kg
<b>Industrial</b>	OD: 10-20nm		Negotiable >100kg
95%, 10-20nm	Length: 20-100μm		
	SSA: >150m <sup>2</sup> /g		
	ASH: <3.0wt%		
	Making method:CVD		
	Color: Black		
	Min Order: 1kg		
<b>TNNF-6</b>	<b>Industrial MWCNTs</b>	\$100/kg	1-10kg
MWCNTs	Purity:>95wt%	\$66/kg	10-100kg
<b>Industrial</b>	OD: 10-20nm		Negotiable >100kg
95%, 10-20nm	Length: 5-20μm		
	SSA: >120m <sup>2</sup> /g		
<b>TNIM4</b>	<b>Industrial MWCNTs</b>	\$135/kg	1-10kg
MWCNTs	Purity:>95wt%	\$95/kg	10-100kg
<b>Industrial</b>	OD: 10-30nm		Negotiable >100kg
95%, 10-30nm	Length: 10-30μm		
	SSA: >110m <sup>2</sup> /g		
	ASH: <5.0wt%		
	Making method:CVD		
	Color: Black		
	Min Order: 1kg		
<b>TNIM6</b>	<b>Industrial MWCNTs</b>	\$100/kg	1-10kg
MWCNTs	Purity:>95wt%	\$85/kg	10-100kg
<b>Industrial</b>	OD: 20-40nm		Negotiable >100kg
95%, 20-40nm	Length: 10-30μm		
	SSA: >80m <sup>2</sup> /g		
	ASH: <5.0wt%		
	Making method:CVD		
	Color: Black		
	Min Order: 1kg		
<b>TNIM8</b>	<b>Industrial MWCNTs</b>	\$100/kg	1-10kg
MWCNTs	Purity:>95wt%	\$75/kg	10-100kg

**Industrial**  
95%  
OD: 30-80nm  
Length: <10μm  
SSA: >60m<sup>2</sup>/g  
ASH: <5.0wt%  
Making method:CVD  
Color: Black  
Min Order: 1kg  
Negociable >100kg

<b>TNIMH4</b>	<b>Industrial MWCNTs, -OH functionalized</b>	\$200/kg 1-10kg
MWCNTs	Purity:>95wt%	\$120/kg 10-100kg
<b>Industrial</b>	-OH Content: 2.48wt%	Negociable >100kg
<b>-OH</b>	OD: 10-30nm	
<b>Functionalized</b>	Length: 10-30μm	
95%, 10-30nm	SSA: >110m <sup>2</sup> /g	
	ASH: <5.0wt%	
	Making method:CVD	
	Color: Black	
	Min Order: 1kg	

<b>TNIMH6</b>	<b>Industrial MWCNTs, -OH functionalized</b>	\$166/kg 1-10kg
MWCNTs	Purity:>95wt%	\$110/kg 10-100kg
<b>Industrial</b>	-OH Content: 1.63 wt%	Negociable >100kg
<b>-OH</b>	OD: 20-40nm	
<b>Functionalized</b>	Length: 10-30μm	
95%, 20-40nm	SSA: >80m <sup>2</sup> /g	
	ASH: <5.0wt%	
	Making method:CVD	
	Color: Black	
	Min Order: 1kg	

<b>TNIMH8</b>	<b>Industrial MWCNTs, -OH functionalized</b>	\$150/kg 1-10kg
MWCNTs	Purity:>95wt%	\$100/kg 10-100kg
<b>Industrial</b>	-OH Content:0.76wt%	Negociable >100kg
<b>-OH</b>	OD: 30-80nm	
<b>Functionalized</b>	Length: <10μm	
95%	SSA: >60m <sup>2</sup> /g	
	ASH: <5.0wt%	
	Making method:CVD	
	Color: Black	
	Min Order: 1kg	

<b>TNIMC4</b>	<b>Industrial MWCNTs, -COOH functionalized</b>	\$200/kg 1-10kg
MWCNTs	Purity:>95wt%	\$150/kg 10-100kg
<b>Industrial</b>	-COOH Content: 1.55wt%	Negociable >100kg
<b>-COOH</b>	OD: 10-30nm	
<b>Functionalized</b>	Length: 10-30μm	
95%, 10-30nm	SSA: >110m <sup>2</sup> /g	
	ASH: <5.0wt%	

Making method:CVD

Color: Black

Min Order: 1kg

<b>TNIMC6</b>	<b>Industrial MWCNTs, -COOH functionalized</b>	\$166/kg 1-10kg
MWCNTs	Purity:>95wt%	\$142/kg 10-100kg
Industrial	-COOH Content: 1.43 wt%	Negotiable >100kg
-COOH	ID: 5-10nm	
Functionalized	OD: 20-40nm	
95%, 20-40nm	Length: 10-30μm	
	SSA: >80m <sup>2</sup> /g	
	ASH: <5.0wt%	
	Making method:CVD	
	Color: Black	
	Min Order: 1kg	
<b>TNIMC8</b>	<b>Industrial MWCNTs, -COOH functionalized</b>	\$150/kg 1-10kg
MWCNTs	Purity:>95wt%	\$133/kg 10-100kg
Industrial	-COOH Content: 0.51wt%	Negotiable >100kg
-COOH	OD: 30-80nm	
Functionalized	Length: <10μm	
95%	SSA: >60m <sup>2</sup> /g	
	ASH: <5.0wt%	
	Making method:CVD	
	Color: Black	
	Min Order: 1kg	
<b>TNIMA1</b>	<b>Multi-walled CNTs cylinders</b>	\$100/kg 1-10kg
	Outer Diameter: 5-15nm	\$600/kg 10-100kg
	Length: 10-30um	Negotiable >100kg
	Tap density: 0.15-0.3g/ml	
	ASH: ≤ 3.0%	
	Appearance: Black particles	

### 6 CNTs Cloths

Product Model	Description	Price
<b>TNCP</b>	<b>CNTs Paper</b>	\$66/piece
	Size: Diameter Φ12-13cm	
	Thickness:60-90um	
	Strength: 10-15Mpa	
	Metal Content: <1.5%	
	Flexibility: Can be repeated bended	
	Conductivity: 2.5-3.5 x10 <sup>3</sup> S/m	
<b>TNSP</b>	<b>High-conductivity SWCNTs Film</b>	\$83/piece
	Size: Diameter Φ12-13cm	

Thickness:10-20um  
Strength: 60-120Mpa  
Metal Content: <0.5%  
Flexibility: Can be repeated bended  
Conductivity:  $8 \times 10^4 - 2 \times 10^5$  S/m

<b>TNSP2</b>	<b>High-conductivity magnetic SWCNTs Film</b>	\$83/piece
	Size: Diameter $\Phi$ 12-13cm Thickness:10-20um Strength: 60-120Mpa Metal Content: 5% Flexibility: Can be repeated bended Conductivity: $2 - 6 \times 10^4$ S/m	
<b>TNHCF</b>	<b>High-conductivity CNTs Film</b>	\$0.8/cm <sup>2</sup>
	Size:10*10cm Thickness:10-15um Metal Content: <10% Strength: 60-120MPa Flexibility: Can be repeated bended Conductivity: $3-8 \times 10^4$ S/m	

### 7 CNTs Fibers

Product Model	Description	Price
<b>TNF400</b>	<b>Carbon Nanotubes Fibers</b>	\$100/m
	Length:1-1000 m Diameter :60-80 $\mu$ m Strength:310-500 MPa Modulus: 4-6 GPa Density: 0.5-0.7g/cm <sup>3</sup> Strain: 15-25 % EC: $1 \times 10^5 \sim 2 \times 10^5$ S/m	

### 8 CNTs Dispersant / Dispersion / Paste

Product Model	Description	Price
<b>TNWDIS</b>	<b>CNTs Water Dispersant</b>	\$20/50g
	Aromatic modified polyethyleneglycol ether in aqueous solution, Non-volatile matter: 90 %	\$40/100g



<b>TNADIS</b>	<b>CNTs Alcohol Dispersant</b>	\$20/50g \$40/100g
	Powder polymer dispersant	
<b>TNHDIS</b>	<b>CNTs hydrocarbon Dispersant</b>	\$20/50g \$40/100g
<b>TNRDIS</b>	<b>CNTs Resin Dispersant</b>	\$20/50g \$40/100g
	Solution of high 100% active ingredients, especially suitable for carbon nanotubes dispersion in liquid epoxy resin, liquid polyester polyols and other resin systems.	
<b>TNNDIS</b>	<b>CNTs NMP Dispersant</b>	\$20/50g \$40/100g
	White powder dispersant. Especially suitable for carbon nanotubes dispersion in NMP (n-methylpyrrolidone) solvent.	
<b>TNDA-10</b>	<b>CNTs Dispersant For Plastics</b>	\$33/kg
	Appearance: Transparent、flowable liquid	
<b>TNWDS</b>	<b>High Purity SWCNTs Aqueous Dispersion</b>	\$100/500g
	SWNT Content: 0.2 wt% Composition: SWCNT、non-ionic surfactant、H <sub>2</sub> O Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	
<b>TNWDSC</b>	<b>-COOH Functionalized High Purified SWCNTs Aqueous Dispersion</b>	\$117/500g
	SWNT-COOH Content:0.2wt% Composition: -COOH SWCNT 、non-ionic surfactant、H <sub>2</sub> O Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	
<b>TNWDHS</b>	<b>High concentration SWCNTs aqueous dispersion</b>	\$150/500g
	SWNT Content: 0.4 wt% Composition: SWCNT、surfactant、H <sub>2</sub> O Stability: centrifuge treatment for 0.5 hour	
<b>TNNDs</b>	<b>High Purity SWCNTs NMP Dispersion</b>	\$142/500ml
	SWNT Content: 0.2-0.3 wt% Composition: SWCNT、dispersant、NMP Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	
<b>TNDDS</b>	<b>High Purity SWCNTs DMF Dispersion</b>	\$142/500ml
	SWNT Content: 0.2-0.3 wt% Composition: SWCNT、dispersant、DMF Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	
<b>TNEDS</b>	<b>High Purity SWCNTs BA Dispersion</b>	\$142/500ml

SWNT Content: 0.2-0.3 wt%  
Composition: SWCNT、dispersant、BA  
Stability: centrifuge treatment for 0.5 hour  
with 2000 rotation/min

<b>TNADS</b>	<b>High Purity SWCNTs IPA Dispersion</b> SWNT Content: 0.2-0.3 wt% Composition: SWCNT、dispersant、IPA Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$142/500ml
<b>TNACDS</b>	<b>High Purity SWCNTs DMAC Dispersion</b> SWNT Content: 0.2-0.3 wt% Composition: SWCNT、dispersant、DMAC Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$142/500ml
<b>TNWDM-M8</b> CNTs: TNM8	<b>MWCNTs Aqueous Dispersion</b> MWCNTs Content: TNM8 10 wt % OD: 30-80nm Composition: TNM8, non-ionic surfactant, H <sub>2</sub> O Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$42/500g
<b>TNWDM-M2</b> CNTs: TNM1	<b>MWCNTs Aqueous Dispersion</b> MWCNTs Content: TNM1 5 wt % OD: 5-15nm Composition: TNM1, dispersant, H <sub>2</sub> O Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$42/500g
<b>TNWDMC-MC8</b> CNTs: TNMC8	<b>MWCNTs Aqueous Dispersion</b> MWCNTs Content: TNMC8 10 wt % OD: 30-80nm Composition: TNMC8, non-ionic surfactant, H <sub>2</sub> O Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$50/500g
<b>TNWDMC-MC2</b> CNTs: TNMC1	<b>MWCNTs Aqueous Dispersion</b> MWCNTs Content: TNMC1 5 wt % OD: 5-15nm Composition: TNMC1, non-ionic surfactant, H <sub>2</sub> O Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$50/500g
<b>TNDDM-M8</b> CNTs: TNM8	<b>MWNTs N,N-Dimethylformamide Dispersion</b> MWCNTs Content: TNM8 10 wt % OD: 30-80nm Composition: TNM8, dimethylformamide, dispersants Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$100/500ml
<b>TNDDM-M2</b>	<b>MWNTs N,N-Dimethylformamide Dispersion</b>	\$108/500ml

CNTs: MWCNTs Content:  
 TNM1 2 wt % OD: 5-15nm  
 Composition: TNM1, dimethylformamide, dispersants  
 Steability: centrifuge treatment for 0.5 hour with 2000 rotation/min

<b>TNNDM-M8</b>	<b>MWNTs N-Methyl-2-pyrrolidone Dispersion</b>	\$108/500ml
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CNTs: MWCNTs Content:  
 TNM8 9-10wt % OD: 30-80nm  
 Composition: TNM8, NMP, dispersants  
 Steability: centrifuge treatment for 0.5 hour with 2000 rotation/min

<b>TNNDM-M2</b>	<b>MWNTs N-Methyl-2-pyrrolidone Dispersion</b>	\$108/500ml
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CNTs: MWCNTs Content:  
 TNM1 2 wt % OD: 5-15nm  
 Composition: TNM1, NMP, dispersants  
 Steability: centrifuge treatment for 0.5 hour with 2000 rotation/min

<b>TNEDM-M8</b>	<b>MWNTs butyl acetate Dispersion</b>	\$108/500ml
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CNTs: MWCNTs Content:  
 TNM8 8-10wt % OD: 30-80nm  
 Composition: TNM8, butyl acetate, dispersants  
 Steability: centrifuge treatment for 0.5 hour with 2000 rotation/min

<b>TNEDM-M2</b>	<b>MWNTs butyl acetate Dispersion</b>	\$108/500ml
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CNTs: MWCNTs Content:  
 TNM1 2wt % OD: 5-15nm  
 Composition: TNM1, butyl acetate, dispersants  
 Steability: centrifuge treatment for 0.5 hour with 2000 rotation/min

<b>TNADM-M8</b>	<b>MWNTs isopropanol Dispersion</b>	\$108/500ml
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CNTs: MWCNTs Content:  
 TNM8 8-10wt % OD: 30-80nm  
 Composition: TNM8, isopropanol, dispersants  
 Steability: centrifuge treatment for 0.5 hour with 2000 rotation/min

<b>TNADM-M2</b>	<b>MWNTs isopropanol Dispersion</b>	\$108/500ml
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CNTs: MWCNTs Content:  
 TNM1 2 wt % OD: 5-15nm  
 Composition: TNM1, isopropanol, dispersants  
 Steability: centrifuge treatment for 0.5 hour with 2000 rotation/min

<b>TNACDM-M8</b>	<b>MWNTs dimethylacetamide Dispersion</b>	\$108/500ml
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CNTs: MWCNTs Content:

TNM8	TNM8 10wt % OD: 30-80nm Composition:TNM8, dimethylacetamide, dispersants Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	
<b>TNACDM-M2</b> CNTs: TNM1	<b>MWNTs isopropanol Dispersion</b> MWCNTs Content: TNM1 2 wt % OD: 5-15nm Composition:TNM1, isopropanol, dispersants Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$108/500ml
<b>TNDMAM-M8</b> CNTs: TNM8	<b>MWNTs Propylene glycol methyl ether acetate Dispersion</b> MWCNTs Content: TNM8 10wt % OD: 30-80nm Composition:TNM8, Propylene glycol methyl ether acetate, dispersants Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$108/500ml
<b>TNDMAM-M2</b> CNTs: TNM1	<b>MWNTs Propylene glycol methyl ether acetate Dispersion</b> MWCNTs Content: TNM1 2wt % OD: 5-15nm Composition:TNM1, Propylene glycol methyl ether acetate, dispersants Stability: centrifuge treatment for 0.5 hour with 2000 rotation/min	\$108/500ml
<b>TNWPS</b>	<b>High Purity SWCNTs H2O Paste</b> SWNT Content: 0.2wt% Composition: SWCNT、non-ionic surfactant、H2O	\$67/kg
<b>TNWPCS</b>	<b>High Purity SWCNTs H2O Paste</b> SWNT Content: 0.2wt% Composition: -COOH SWCNT、non-ionic surfactant、H2O	\$117/kg
<b>TNWPHS</b>	<b>High concentration SWCNTs aqueous dispersion</b> SWNT Content: 0.4wt% Composition:SWCNT、surfactant、H2O	\$117/kg
<b>TNNPS</b>	<b>High Purity SWCNTs NMP Paste</b> SWNT Content: 0.2-0.3 wt% Composition: SWCNT、dispersant、NMP	\$150/L
<b>TNDPS</b>	<b>High Purity SWCNTs DMF Paste</b> SWNT Content: 0.2-0.3 wt% Composition: SWCNT、dispersant、DMF	\$150/L
<b>TNEPS</b>	<b>High Purity SWCNTs BA Paste</b> SWNT Content: 0.2-0.3 wt%	\$150/L

Composition: SWCNT、dispersant、BA		
<b>TNAPS</b>	<b>High Purity SWCNTs isopropanol Paste</b>	\$150/L
	SWCNT Content: 0.2-0.3 wt%	
Composition: SWCNT、dispersant、isopropanol		
<b>TNACPS</b>	<b>High Purity SWCNTs DMAC Paste</b>	\$150/L
	SWCNT Content: 0.2-0.3 wt%	
	Composition:SWCNT,dimethylacetamide, dispersant	
<b>TNWPM-13-M8</b>	<b>High concentration MWCNTs Aqueous Paste</b>	\$75/kg
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 12-14wt % OD: 30-80nm	
	Composition: TNIM8, water, dispersant	
<b>TNWPM-13-MC8</b>	<b>High concentration MWCNTs Aqueous Paste</b>	\$83/kg
CNTs:	MWCNTs Content:	
TNIMC8	TNIMC8 12-14wt % OD: 30-80nm	
	Composition: TNIMC8, water, dispersant	
<b>TNWPM-M8</b>	<b>MWCNTs Aqueous Paste</b>	\$42/kg
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 10 wt % OD: 30-80nm	
	Composition:TNIM8, water, dispersant	
<b>TNWPM-M2</b>	<b>MWCNTs Aqueous Paste</b>	\$42/kg
CNTs:	MWCNTs Content:	
TNIM1	TNIM1 5 wt % OD: 5-15nm	
	Composition:TNIM1, water, dispersant	
<b>TNWPMC-MC8</b>	<b>MWCNTs Aqueous Paste</b>	\$50/kg
CNTs:	MWCNTs Content:	
TNIMC8	TNIMC8 10 wt % OD: 30-80nm	
	Composition: TNIMC8, water, dispersant	
<b>TNWPMC-MC2</b>	<b>MWCNTs Aqueous Paste</b>	\$50/kg
CNTs:	MWCNTs Content:	
TNIMC1	TNIMC1 5 wt % OD: 5-15nm	
	Composition:TNIMC1 , water, dispersant	
<b>TNAPM-M8</b>	<b>MWNTs Isopropanol Paste</b>	\$100/L
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 8-10wt % OD: 30-80nm	
	Composition:TNIM8,isopropanol, dispersant	
<b>TNAPM-M2</b>	<b>MWNTs Isopropanol Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM1	TNIM1 2 wt % OD: 5-15nm	
	Composition: TNIM1, isopropanol, dispersant	
<b>TNACPM-M8</b>	<b>MWNTs DMAC Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 10wt % OD: 30-80nm	
	Composition:TNIM8,dimethylacetamide, dispersant	

<b>TNACPM-M2</b>	<b>MWNTs DMAC Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM1	TNIM1 2wt % OD: 5-15nm	
	Composition:TNIM1,dimethylacetamide, dispersant	
<b>TNPMAM-M8</b>	<b>MWNTs PMA Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 10wt % OD: 30-80nm	
	Composition:TNIM8, Propylene glycol methyl ether acetate, dispersant	
<b>TNPMAM-M2</b>	<b>MWNTs PMA Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM1	TNIM1 2wt % OD: 5-15nm	
	Composition:TNIM1, Propylene glycol methyl ether acetate, dispersant	
<b>TNEPM-M8</b>	<b>MWNTs Butyl Acetate Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 8-10 wt % OD: 30-80nm	
	Composition:TNIM8, butyl acetate, dispersant	
<b>TNEPM-M2</b>	<b>MWNTs Butyl Acetate Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM1	TNIM1 2 wt % OD: 5-15nm	
	Composition:TNIM1, butyl acetate, dispersant	
<b>TNDPM-M8</b>	<b>MWNTs Dimethylformamide Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 10 wt % OD: 30-80nm	
	Composition:TNIM8, dimethylformamide, dispersant	
<b>TNDPM-M2</b>	<b>MWNTs Dimethylformamide Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM1	TNIM1 2 wt % OD: 5-15nm	
	Composition:TNIM1 dimethylformamide, dispersant	
<b>TNNPM-M8</b>	<b>MWNTs N-Methyl-2-pyrrolidone Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM8	TNIM8 9-10wt % OD: 30-80nm	
	Composition: TNIM8, N-Methyl-2-pyrrolidone, dispersant	
<b>TNNPM-M2</b>	<b>MWNTs N-Methyl-2-pyrrolidone Paste</b>	\$117/L
CNTs:	MWCNTs Content:	
TNIM1	TNIM1 2 wt % OD: 5-15nm	
	Composition:TNIM1, N-Methyl-2-pyrrolidone, dispersant	

## 9 CNTs/Polymer Composite

Product Model	Description	Price
<b>TNPA6</b>	<b>CNTs/PA6 Masterbatches</b> CNTs Content: 20wt% Matrix resin: PA6 MFI(g/10min)(230℃, 2.16Kg): 0 Volume Resistivity:1.5-1.7 ohm.cm Min Order: 5kg	\$20/kg
<b>TNPP</b>	<b>CNTs/PP Masterbatches</b> CNTs Content: 20wt% CNTs OD: 10-20nm Matrix resin: Homopolymer PP MFI(g/10min)(230℃, 2.16Kg):12.3 Volume Resistivity:0.2-0.3 ohm.cm Min Order: 5kg	\$17/kg
<b>TNHDPE</b>	<b>CNTs/HDPE Masterbatches</b> CNTs Content: 25wt% CNTs OD: 10-20nm Matrix resin: HDPE 5000S Volume Resistivity:0.5-0.6 ohm.cm Min Order: 5kg	\$17/kg
<b>TNLLDPE</b>	<b>CNTs/LLDPE Masterbatches</b> CNTs Content: 25wt% CNTs OD: 10-20nm Matrix resin: LLDPE 7042 Volume Resistivity:0.5-0.6ohm.cm Min Order: 5kg	\$17/kg
<b>TNLDPE</b>	<b>CNTs/LDPE Masterbatches</b> CNTs Content: 25wt% CNTs OD: 10-20nm Matrix resin: LDPE 1I2A Volume Resistivity:0.5-0.6ohm.cm Min Order: 5kg	\$17/kg
<b>TNABS</b>	<b>CNTs/ABS Masterbatches</b> CNTs Content: 20wt% CNTs OD: 10-20nm Matrix resin: ABS Volume Resistivity:1.9 ohm.cm Min Order: 5kg	\$17/kg
<b>TNPC</b>	<b>CNTs/PC Masterbatches</b>	

CNTs Content: 15%  
 CNTs OD: 10-20nm  
 Matrix resin: PC  
 Min Order: 5kg

<b>TNEPO-TNS</b>	<b>Single-walled CNTs-based Epoxy Resin Masterbatches</b>	\$250/kg
CNTs: SWCNT	CNTs/ Dispersant/ Epoxy resin: 0.25/0.63/99.12 Epoxy model number: NPEL-128 NPEL-128 Viscosity @ 25°C (mPa·s): 12000-15000 Min Order: 1kg	
<b>TNEPO-TNM2</b>	<b>Multi-walled CNTs-based Epoxy Resin Masterbatches</b>	\$167/kg
CNTs: TNM1	CNTs/ Dispersant/ Epoxy resin: 2.0/2.4/95.6 CNTs OD: 5-15nm Epoxy model number: NPEL-128 NPEL-128 Viscosity @ 25°C (mPa·s): 12000-15000 Min Order: 1kg	
<b>TNEPO-TNM8</b>	<b>Multi-walled CNTs-based Epoxy Resin Masterbatches</b>	\$167/kg
CNTs: TNM8	CNTs/ Dispersant/ Epoxy resin: 8.0/2.4/89.6 CNTs OD: 30-80nm Epoxy model number: NPEL-128 NPEL-128 Viscosity @ 25°C (mPa·s): 12000-15000 Min Order: 1kg	

## 10 Nano-carbon Functional Coating

Product Model	Description	Price
<b>TNRC-1</b>	<b>Nano-carbon Thermal Radiation Water-based Coating</b>	\$42/kg
	Types: Low temperature drying paint Surface resistance( $\Omega$ ): $10^6$ - $10^8$ Min Order: 1kg	
<b>TNRC-2</b>	<b>Nano-carbon Thermal Radiation Water-based Coating</b>	\$42/kg



Types:Medium temperature baking paint

Surface resistance( $\Omega$ ):  $10^8$ - $10^{10}$

Min Order: 1kg

<b>TNRC-3</b>	<b>Nano-carbon Thermal Radiation Water-based Ink</b>	\$42/kg
	Types:Medium temperature baking painting ink	
	Surface resistance( $\Omega$ ): $10^8$ - $10^{10}$	
	Min Order: 1kg	
<b>TNTC-1</b>	<b>Nano-carbon Transparent Static Conductive Water-based Coating</b>	\$42/kg
	Surface resistance( $\Omega/\square$ ): $10^3$ - $10^4$	
	60-70% transmittance including PET substrate	
	Min Order: 1kg	
<b>TNTC-2</b>	<b>Nano-carbon Transparent Static Conductive Water-based Coating</b>	\$42/kg
	Surface resistance( $\Omega/\square$ ): $10^5$ - $10^6$	
	75-85% transmittance including PET substrate	
	Min Order: 1kg	
<b>TNEC-1</b>	<b>Nano-carbon static conductive water-based coating</b>	\$42/kg
	Square resistance: $10^6 \sim 10^8 \Omega/\square$	
	Can be adjusted within $10^1 \sim 10^{12} \Omega/\square$	
	Min Order: 1kg	
<b>TNEC-2</b>	<b>Nano-carbon Conductive Coating</b>	\$42/kg
	Square resistance: $10^1 \sim 10^2 \Omega/\square$	
	Can be adjusted within $10^1 \sim 10^{12} \Omega/\square$	
	Min Order: 1kg	
<b>TNHC-1</b>	<b>Nano-carbon Conductive and Heating Coating</b>	\$42/kg
	Coating volume resistivity ( $\Omega\cdot\text{cm}@$ ):0.1-0.2	
	Min Order: 1kg	
<b>TNHC-2</b>	<b>Nano-carbon Conductive and Heating Coating</b>	\$42/kg
	Coating volume resistivity ( $\Omega\cdot\text{cm}$ ):0.1-0.2	
	Min Order: 1kg	
<b>TNHC-102</b>	<b>Nano-carbon Conductive and Heating Coating</b>	\$50/kg
	Coating volume resistivity ( $\Omega\cdot\text{cm}@$ ):0.04-0.08	
	Min Order: 1kg	

## 11 Carbon nanotube sponge

Product Model	Description	Price
<b>TNHM11-1</b>	<b>Carbon nanotube sponge</b>	\$30/piece

	Size: 10mm*10mm Thickness: 1-2mm	
<b>TNHM51-1</b>	<b>Carbon nanotube sponge</b>	\$185/piece
	Size: 50mm*10mm Thickness: 1-2mm	
<b>TNHM22-1</b>	<b>Carbon nanotube sponge</b>	\$155/piece
	Size: 20mm*20mm Thickness: 1-2mm	
<b>TNHM52-1</b>	<b>Carbon nanotube sponge</b>	\$430/piece
	Size: 50mm*20mm Thickness: 1-2mm	
<b>TNHM11-3</b>	<b>Carbon nanotube sponge</b>	\$50/piece
	Size: 10mm*10mm Thickness: 3-4mm	
<b>TNHM51-3</b>	<b>Carbon nanotube sponge</b>	\$280/piece
	Size: 50mm*10mm Thickness: 3-4mm	
<b>TNHM22-3</b>	<b>Carbon nanotube sponge</b>	\$215/piece
	Size: 20mm*20mm Thickness: 3-4mm	
<b>TNHM52-3</b>	<b>Carbon nanotube sponge</b>	\$615/piece
	Size: 50mm*20mm Thickness: 3-4mm	

## **12 CNTs Composite Conductive Agent in Lithium Ion Batteries**

<b>Product Model</b>	<b>Description</b>	<b>Price</b>
<b>TNCC</b>	<b>CNTs Composite Conductive Agent in Lithium Ion Batteries</b>	\$180/kg
	CNTs OD: 50-80nm CNT Length: 10-15 $\mu$ m SSA: 80m <sup>2</sup> /g pH: <9 Min Order: 1kg	

## **13 Fullerene**

<b>Product Model</b>	<b>Description</b>	<b>Price</b>
<b>TNC6099</b>	<b>Fullerene C60</b>	\$60/g
	Purity: 99wt% Molecular weight: 720.67	

<b>TNC60995</b>	<b>Fullerene C60</b> Purity: 99.5wt% Molecular weight: 720.67	\$92/g
<b>TNC60999</b>	<b>Fullerene C60</b> Purity: 99.9wt% Molecular weight: 720.67	\$134/g
<b>TNC7095</b>	<b>Fullerene C70</b> Purity: 95wt% Molecular weight: 840.78	\$233/g
<b>TNC7098</b>	<b>Fullerene C70</b> Purity: 98wt% Molecular weight: 840.78	\$266/g
<b>TNC7099</b>	<b>Fullerene C70</b> Purity: 99wt% Molecular weight: 840.78	\$300/g
<b>TNFOL</b>	<b>Fullerenols</b> Molecular formula: $C_{60}(OH)_n \cdot nH_2O$ Number of hydroxyl: 24-28	\$533/g

#### 14 Nano-silver series

<b>Product Model</b>	<b>Description</b>	<b>Price</b>
<b>TNWSN15</b>	<b>Silver Nanowire</b> Average Diameter: $15 \pm 3nm$ Average Length: 10-18um Solvent: Water	\$ 500/g
<b>TNASN15</b>	<b>Silver Nanowire</b> Average Diameter: $15 \pm 3nm$ Average Length: 10-18um Solvent: Ethanol	\$ 500/g
<b>TNISN15</b>	<b>Silver Nanowire</b> Average Diameter: $15 \pm 3nm$ Average Length: 10-18um Solvent: Isopropanol	\$ 500/g
<b>TNWSN20</b>	<b>Silver Nanowire</b> Average Diameter: $20 \pm 3nm$ Average Length: 20-25um Solvent: Water	\$417/g
<b>TNASN20</b>	<b>Silver Nanowire</b> Average Diameter: $20 \pm 3nm$ Average Length: 20-25um Solvent: Ethanol	\$417/g
<b>TNISN20</b>	<b>Silver Nanowire</b>	\$417/g

	Average Diameter: $20 \pm 3\text{nm}$ Average Length: 20-25um Solvent: Isopropanol	
<b>TNWSN25</b>	<b>Silver Nanowire</b> Average Diameter: $25 \pm 3\text{nm}$ Average Length: 20-25um Solvent: Water	\$330/g
<b>TNASN25</b>	<b>Silver Nanowire</b> Average Diameter: $25 \pm 3\text{nm}$ Average Length: 20-25um Solvent: Ethanol	\$330/g
<b>TNISN25</b>	<b>Silver Nanowire</b> Average Diameter: $25 \pm 3\text{nm}$ Average Length: 20-25um Solvent: Isopropanol	\$330/g
<b>TNWSN30</b>	<b>Silver Nanowire</b> Average Diameter: $30 \pm 5\text{nm}$ Average Length: 25-30um Solvent: Water	\$330/g
<b>TNASN30</b>	<b>Silver Nanowire</b> Average Diameter: $30 \pm 5\text{nm}$ Average Length: 25-30um Solvent: Ethanol	\$330/g
<b>TNISN30</b>	<b>Silver Nanowire</b> Average Diameter: $30 \pm 5\text{nm}$ Average Length: 25-30um Solvent: Isopropanol	\$330/g
<b>TNWSN40</b>	<b>Silver Nanowire</b> Average Diameter: $40 \pm 5\text{nm}$ Average Length: 25-35um Solvent: Water	\$330/g
<b>TNASN40</b>	<b>Silver Nanowire</b> Average Diameter: $40 \pm 5\text{nm}$ Average Length: 25-35um Solvent: Ethanol	\$330/g
<b>TNISN40</b>	<b>Silver Nanowire</b> Average Diameter: $40 \pm 5\text{nm}$ Average Length: 25-35um Solvent: Isopropanol	\$330/g
<b>TNWSN50</b>	<b>Silver Nanowire</b> Average Diameter: $50 \pm 5\text{nm}$ Average Length: 25-35um Solvent: Water	\$330/g
<b>TNASN50</b>	<b>Silver Nanowire</b>	\$330/g

	Average Diameter: $50 \pm 5$ nm Average Length: 25-35um Solvent: Ethanol	
<b>TNISN50</b>	<b>Silver Nanowire</b> Average Diameter: $50 \pm 5$ nm Average Length: 25-35um Solvent: Isopropanol	\$330/g
<b>TNSNS30</b>	<b>Short Silver Nanowire</b> Average Diameter: 30-40nm Average Length: 2-5um	\$417/g
<b>TNASNS30</b>	<b>Short Silver Nanowire</b> Average Diameter: 30-40nm Average Length: 2-5um Solvent: Ethanol	\$417/g
<b>TNISNS30</b>	<b>Short Silver Nanowire</b> Average Diameter: 30-40nm Average Length: 2-5um Solvent: Isopropanol	\$417/g
<b>TNSNTB</b>	<b>Silver Nanowires Coating Solution</b> Solid Content: <1wt% Density:0.9-1.0g/ml Sheet resistance:10-100Ω/□ Hardness:2-3H	\$533/L
<b>TNSNSY-1</b>	<b>Transparent Conductive Ink For Screen Printing</b> Sheet resistance:50-150Ω/□ ConductiveLayer LightTransmittance:95-98%	\$1415/kg
<b>TNSNSY-1</b>	<b>Transparent Conductive Ink For Screen Printing</b> Sheet resistance:50-150Ω/□ ConductiveLayer LightTransmittance:95-98%	\$1415/kg
<b>TNSNSY-1</b>	<b>Transparent Conductive Ink For Screen Printing</b> Sheet resistance:50-150Ω/□ ConductiveLayer LightTransmittance:95-98%	\$1415/kg

## 15 Nano-ceramic Powders

Product Model	Description	Price	
<b>TNSi3N4</b>	<b>Si3N4</b> Purity: 97wt% SSA:>45m <sup>2</sup> /g Particle size: 25 nm Total oxygen content: <0.2% Color: White	\$0.8/g	100g-500g
		\$0.6/g	500g-1kg
		\$400/kg	1kg-10kg
<b>TNTiN</b>	<b>TiN</b>	\$1/g	100g-500g

	Purity: 97wt%	\$0.7/g	500g-1kg
	SSA: >45m <sup>2</sup> /g	\$580/kg	1kg-10kg
	Particle size: 20 nm		
	Total oxygen content: <1%		
	Color: Black		
<b>TNSiC</b>	<b>SiC</b>	\$0.8/g	100g-500g
	Purity: 97wt%	\$0.6/g	500g-1kg
	SSA:20-30m <sup>2</sup> /g	\$460/kg	1kg-10kg
	Particle size: 60 nm		
	Total oxygen content: <0.8%		
	Color: Gray		
<b>TNTiC</b>	<b>TiC</b>	\$1/g	100g-500g
	Purity: 97wt%	\$0.7/g	500g-1kg
	SSA: 23m <sup>2</sup> /g	\$580/kg	1kg-10kg
	Particle size: 50nm		
	Total oxygen content: <1%		
	Color: Black		
<b>TNZrC</b>	<b>ZrC</b>	\$1.7/g	100g-500g
	Purity: 97wt%	\$1.2/g	500g-1kg
	SSA: 11m <sup>2</sup> /g	\$1000/kg	1kg-10kg
	Particle size: 20 nm		
	Total oxygen content: <1%		
	Color: Black		
<b>TNSi-50</b>	<b>Nano Silicon Powder</b>	\$1.5/g	100g-500g
	Purity: >97%	\$1/g	500g-1kg
	Oxygen content:<2%	\$750/kg	1kg-10kg
	D50:50nm		
	SSA:≥100m <sup>2</sup> /g		
<b>TNSi-100</b>	<b>Nano Silicon Powder</b>	\$1.3/g	100g-500g
	Purity: >97%	\$0.9/g	500g-1kg
	Oxygen content:<2%	\$667/kg	1kg-10kg
	D50:100nm		
	SSA:≥60m <sup>2</sup> /g		

## 16 Purchase Procedure and Bank Account Information

### How to purchase our CNTs and what's the process for purchasing?

Step 1: Customer place the purchase order.

Step 2: According to the requirements, Timesnanos offer the products

quotation/purchase contract and proforma invoice to customers.

Step 3: Customers **pay the payment in advance** by Wire Transfer (T/T), and then, scan the bank remittance bill to Timesnano. (Email: carbon@cioc.ac.cn, times@cioc.ac.cn, nano@cioc.ac.cn)

Step 4: When Timesnano receives the copy of bank remittance bill, the products and original invoice would be delivered by Fedex as soon as possible. Usually, the shipping time is about 5-7 from China to other country.

Step 5: Timesnano informs the Express tracking number to customers.

**Bank information for wire transfer Bank transfer:**

Company: Chengdu Zhongke Times Nano Energy Tech Co., Ltd.

Bank: BANK OF CHINA CHENGDU WUHOU SUB-BRANCH

Bank address: NO.45, SECTION 3, SOUTH 1 ST RING ROAD, WUHOU DISTRICT, CHENGDU, SICHUAN PROVINCE.

Accounts: 1266 6553 5905

SWIFT: BKCHCNBJ570