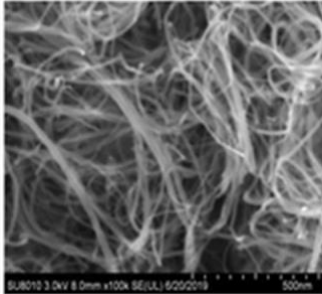
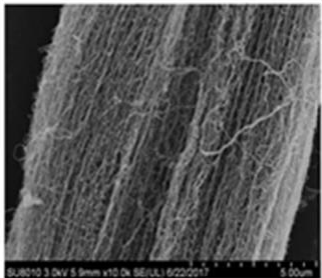


HM Carbon Nanotubes and Carbon Nanotube Granules

Structures



SEM Image of Agglomerated CNTs



SEM Image of Arrayed CNTs



Photo of CNT Granules

Highlights

CNTs

- Lower cost industrial scale manufacture
- New solutions for products with improved performance and lowered cost.
- Reduce the loading level of conductive additives.

CNT Granules

- Easy to handle and Reduce dust contamination in processing.
- Increased tapped density for easier storage and transportation.



Li Batteries



Tires



Carrier Tapes

Applications

- Energy Storage
- 3D Printing
- Antistatic and ESD products



Specification of HM Carbon Nanotube Granules Series

	CNT-AR15	CNT-AG15	CNT-AR20	CNT-AG20
Nanotubes				
Average Diameter (nm)	8-15	10-15	10-20	10-20
Length (µm)	20-50	3-12	≤50	5-15
Purity (%)	≥93.00	≥97.5	≥99	≥99.5
Morphology	Array	Agglomerate	Array	Agglomerate
Nanotube Granules				
Ash Content (%)	≤7.0	≤2.5	≤1.0	≤0.5
Resistivity (µΩ.m)	600-1000	600-900	700-1100	600-1000
Tapped Density (g/cm ³)	0.12-0.18	0.16-0.24	0.01-0.06	0.05-0.10
BET Specific Surface Area (m ² /g)	240-300	220-290	260-340	230-300
Moisture (%)	≤1.0	≤1.0		
Iodine Adsorption Number (g/Kg)	320-380	270-340		
DBP Adsorption (mL/100g)	480-580	400-480		
pH Value	8.0-10.0	7.0-9.0		
Metal content	Fe (ppm)		≤500	≤500
	Co (ppm)		≤50	≤50
	Ni (ppm)		≤10	≤10

Safety Information

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from the website. The Safety Data Sheet is provided with any order and should be observed.

Order

Nanocyl's minimum order for a trail sample of the CNT granules is 500 g. For large scale order, please contact Heebut Materials at sales@heebut.com.

Disclaimer

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