

# GRAPHISTRENGTH<sup>™</sup> C100

## MULTI-WALL CARBON NANOTUBES

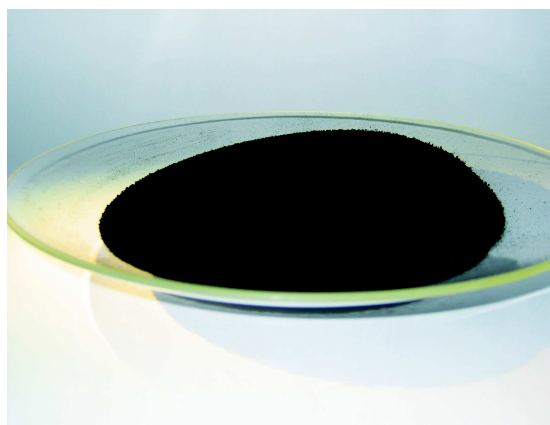
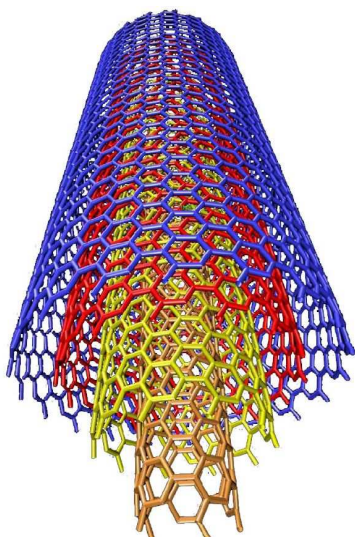
### DATA SHEET FOR PRODUCT DEVELOPMENT

#### Typical properties:

Description		CCVD multi-wall carbon nanotubes
Appearance		Black powder
Powder characteristics	Apparent density	50 – 150 kg/m <sup>3</sup>
	Mean agglomerate size	200 – 500 μm
	Weight loss at 105 °C	< 1 %
MWNT characteristics	C content	> 90 wt%
	Free amorphous carbon	Not detectable (SEM/TEM)
	Mean number of walls	5 – 15
	Outer mean diameter	10 – 15 nm
	Length	0.1 – 10 μm

#### Applications:

As a consequence of their outstanding mechanical properties, and electrical and thermal conductivities, high-quality Graphistrength<sup>™</sup> C100 multi-wall carbon nanotubes can be used in a variety of applications, such as: high-performance electrostatic dissipative plastic parts and coatings, high-strength thermosetting composites, high-strength rubbery materials, and electrode materials for batteries, super-capacitors, and fuel cells. Graphistrength<sup>™</sup> C100 can also be used as catalyst support in different industrial chemical processes.



## Handling:

Because of limited toxicological data presently available for carbon nanotubes, maximum precautions have to be taken when handling.

Two main points have to be considered:

- Prevention of dust generation - In case of dust formation, workers have to wear appropriate protective clothing and gloves, to prevent skin contact. An appropriate respirator should be used for protection if there is a risk of inhalation.
- As for all powders, prevention of explosive mixtures with air - Equipment needs to be electrically grounded.

For more information, please refer to the Safety Data Sheet.

## Contacts:

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