

GRAPHISTRENGTH[™] 200 P50

MULTI-WALL CARBON NANOTUBE PRE-COMPOSITE

DATA SHEET FOR PRODUCT DEVELOPMENT

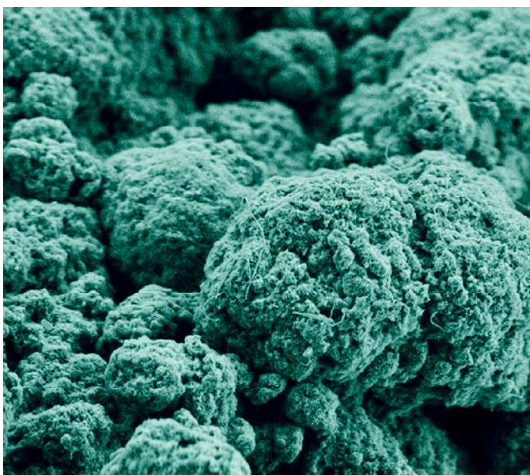
Typical properties:

Description	Multi-wall carbon nanotube (MWNT) pre-composite	
Appearance	Black powder	
Composition	MWNT	50 ± 2 Wt %
	Proprietary block copolymer	50 ± 2 Wt %
Powder characteristics	Apparent density	200 – 400 kg/m ³
	Mean agglomerate size	200 – 500 µm
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:

The technology used to obtain Graphistrength[™] 200 P50 makes it extremely easy to handle and dose, and ensure a thorough dispersion of MWNTs during application. Optimum use can therefore be made of MWNT properties within the **high-strength thermosetting composites**, and **rubbery materials**.

When properly dispersed in the matrixes, high-quality Graphistrength[™] 200 P50 MWNT bring outstanding mechanical properties, and/or electrical and thermal conductivities.



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.

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