



Baytubes[®] C 150 P

Type	Multi-Wall Carbon Nanotubes
Form supplied	Black agglomerated powder
Uses	As an additive in various materials. Applications include the use as electrical conductive or mechanically reinforcing filler in polymers.

Characteristic data*

Property	Value	Unit of measurement	Method
C-Purity	≥ 95.0	wt.-%	Calculated
Bulk density	120 - 170	kg/m ³	EN ISO 60
Color	Black		Visual

*These values are provisional. Binding supply specifications will not be available until the final product data sheet is published.

Other data**

Property	Value	Unit of measurement	Method
C-Purity	≥ 95.0	wt.-%	Ashing
Loose agglomerate size (> 90 wt.-%)	0.1 - 1	mm	Measured by PSD

**These values provide general information.

Processing Note

For incorporation of Baytubes[®] into polymers or other materials, the appropriate processing conditions of the corresponding polymers or materials have to be observed. Addition of Baytubes[®] into materials may affect the viscosity. To preclude any risk to the health and well-being of people involved in the handling and processing of Baytubes[®] tolerance limits for the work environment must be ensured by provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Baytubes[®] Safety Data Sheet. Application, use and processing of our products and the products manufactured on the basis of our technical advice are beyond our control and, therefore, entirely the responsibility of the user. Because of the high surface area of Baytubes[®] the product can take up water depending on storage conditions. Depending on the intended use or application the material should be dried at 100 °C under vacuum for 4h.

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Storage

- Storage in original sealed Bayer MaterialScience containers.
- Protect from moisture, heat and foreign material

General information: The product is sensitive to moisture. Keep container dry and tightly closed in a cool and well ventilated place.

After opening the originally sealed container, Baytubes[®] C 150 P has to be used within four weeks due to microbiological reasons.

Avoid exposure to humidity.

When removing material the container should be opened as shortly as possible and tightly sealed afterwards again. Contamination should be avoided by using clean tools.

Container should be protected against water.

Container should be secured against falling, e.g. by wind or other mechanical impact.

Vibrations and mechanical work may affect agglomerate size and bulk density of the product.

Storage time

Bayer MaterialScience represents that, for a period of six months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately. The lapse of the six months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Bayer MaterialScience recommends to test such a product if it still meets the specifications or the set values. Bayer MaterialScience does not make any representation regarding the product after the lapse of the six months period and Bayer MaterialScience shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the six months period.



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Safety

Hazards identification

Not classified as a hazardous product as per Council Directive 2006 / 121 / EC or 1999 / 45 / EC.

The safety data sheet should be observed. This contains information on labeling, transport and storage as well as on handling, product safety and ecology.

Important

This is a Trial Product of which we do not yet have extensive experience. No guarantee can therefore be given regarding the behaviour of the product during processing or use.

This is a trial product. Further information, including amended or supplementary data on hazards associated with its use, may be compiled in the future. For this reason no assurances are given as to type conformity, processability, long-term performance characteristics or other production or application parameters. Therefore, the purchaser/user uses the product entirely at his own risk without having been given any warranty or guarantee and agrees that the supplier shall not be liable for any damage, of whatever nature, arising out of such use. Commercialisation and continued supply of this material are not assured. Its supply may be discontinued at any time.

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page 3 of 3

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Product Datasheet